The Contractors', Merchants' and Estate Managers' Compendium

1907

SUMMARY OF CONTENTS.

List of Firms represented in the Catalogue portion of this Work 7
Telegraphic Addresses 12
Index to Goods and Building Materials 15
Index to Information and Tabular Matter apart from Catalogue 28
Price Book 257
Index to Legal Decisions (1903—1906) 285
Legal Decisions 285
Notes and Data... 293
List of Architectural Societies 329
List of Architects in the United Kingdom 335
List of Ecclesiastical Surveyors 356
List of Builders, and Class of Work Undertaken 357

THE CATALOGUE

Of Building Materials with Illustrations and Prices of Goods, viz. :—

Section A. Page 31.

Bricks, Terra Cotta, &c. Hanging and Roof Tiles.
Flooring and Wall Tiles and Faience.

Section B. Page 55.

Felts, Silicate Cotton, Roofing and Damp and Soundproof Materials. Asphaltes, Tar Paving, &c.
Cements, Limes, &c. Slates and Slating.

Section C. Page 73.

Stone. Artificial Stone.
Marble, Stone, Granite, and Slate Masonry.
Mosaics. Carving.

Section D. Page 93.

Timber. Joinery, Wood Chimney Pieces, &c.
Parquet and Wood Block Flooring.
Wood Fencing.

Section E. Page 105.

Iron and Steel Construction.
Iron, Wood, and other Buildings.
Fire Escape Staircases, Cast Work, &c.
Gates, Railings, &c.
Metal Work.

Section F. Page 125.

Fireproof Construction. Fireproof Doors, Safes, &c.
Fire Appliances.

Section H. Page 147.

Lighting and Fittings.
Ventilation. Ventilation and Warming.
Warming. Tubes, &c.

Section J. Page 159.

Lifts, Elevators, &c. Stable Fittings.

Section K. Page 167.

Hinges and Springs.
Locks, Door Furniture, Casement Fastenings, &c.
Sliding Door Fittings.
General Ironmongery.
Sash Chains, Pulleys, &c.
Kitcheners, Stoves, and Mantels.

Section L. Page 195.

Sashes, Casements, and Frames.
Gearing and Fittings.

Section M. Page 203.

Drainage, Pipes, &c.
Sanitary and Sewer Castings.
Sanitary Manufactures.
Engineers' and Plumbers' Fittings.

Section N. Page 215.

Church and Factory Bells.
Blinds, Service Lifts, Shutters and Partitions.
Shop Fronts, Letters, Name Plates, &c.
Draught Excluders.
Stair Treads.

Section O. Page 231.

Glazing and Glass. Prisms.
Roof Glazing.

Section P. Page 241.

Paints, Colours, Varnishes, &c.
Wall and Ceiling Coverings.

Section R. Page 251.

Lightning Conductors. Horticultural Buildings, &c.

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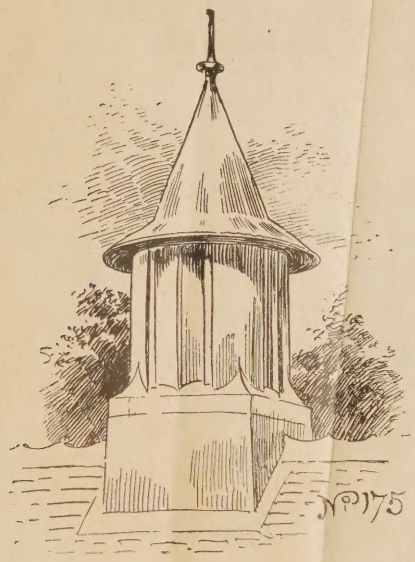

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See Page 325 for Illustrations and Price List of BOYLE'S AIR INLET BRACKETS and PANELS.

THE

Contractors,' Merchants,' and Estate Managers'

COMPENDIUM

and Catalogue.

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Fellow of the Royal Institute of British Architects.

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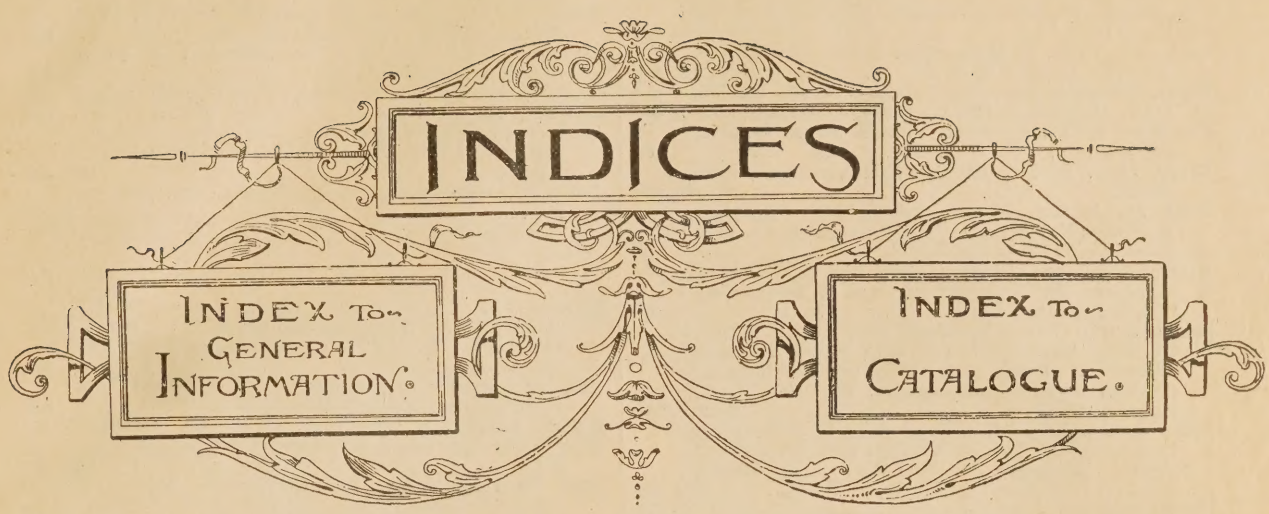

Telegraphic Addresses, page 12.

Index to Goods and Materials, page 15.

Manufacturers and Merchants represented in the Catalogue.

PAGE

Acetylene Corporation of Great Britain, Ld., 49, Victoria Street, Westminster, London, S.W. ... 147
Acme Flooring and Paving Co. (1904), Ld, Gainsborough Road, Victoria Park, London, N.E. ... 98, 99
Adamant Co., Ld. (The), 6—11, Commercial Street, Birmingham; 42, Berners Street, Oxford Street, and St. Pancras Station, London; 55, Victoria Street, Bristol 52, 127
Adamantine Clinker Works, Little Bytham, Grantham 32
Adams, J., & Son, 105, Union Street, London Bridge, London, S.E. 173
Adams, Robert, 3 & 5, Emerald Street, Theobalds Road, London, W.C. 168, 199
Adlard, Roberts & Co. ... (*See Roberts, Adlard & Co.*)
Aldridge Colliery Co., Ld., Aldridge, near Walsall ... 33
Anderson, D., & Son, Ld., Lagan Felt Works, Belfast; Roach Road Works, Old Ford, London, E. 57, 58, 243, 244
Anderson, R., & Co., Leadenhall House, 101, Leadenhall Street, London, E.C. 253
Anglo-American Rope & Oakum Co., 19, Canning Place, and Hopwood Street, N. Liverpool 203

PAGE

Applebee Bros., Walthamstow 217
Asbestos Co. (The London), 101, Leadenhall Street, London, E.C. 55
Ashworth, John, & Co., Rossendale Valley Saw Mills, Waterfoot, Manchester; Imperial Chambers, Old Millgate, Manchester 93
Attwood, J., Foster Boiler Works, Stourbridge ... 156

Baldwin, Son, & Co., Ld., Stourport; 59, Holborn Viaduct, London, E.C. 169
Baldwins, Ld., 5, Fenchurch Street, London, E.C. ... 110
Bayliss, Jones & Bayliss, Ld., Victoria Works, Wolverhampton; 139 & 141, Cannon Street, London, E.C. 116, 117
Bell, P., & Son, Pitt Street Iron Works, Edinburgh 106
Birmingham Blind Co., Universe Works, 239A, Bradford Street, and Alcester Street, Birmingham 218

PAGE

Blackler, A. W., & Sons, Ld., Royal Marble Works, St. Mary Church, Torquay 80
Blakeley, E. F., & Co., Vauxhall Ironworks, Vauxhall Road, Liverpool 106
Boobbyer, J. H., & Sons, Kean Street, Drury Lane, Aldwych, London, W.C. 174, 175
Boyle, Robert, & Son, 64, Holborn Viaduct, London, E.C.; 110, Bothwell Street, Glasgow *Special position* 3, ~~315~~ 325
Bradshaw & Co., 52, Queen Victoria Street, London, E.C. 64
Brady, Geo., & Co., 49, Pott Street, Ancoats, Manchester 160, 220
Bray, H., & Co., Fletton, Peterborough; Bentinck Buildings, Nottingham; G.N.R. Brick Depôt, York Road, King's Cross, London, N. 32
British Challenge Glazing Co., Ld. (The), Bank Chambers, 92, Tooley Street, and 7, Bermondsey Street, London, S.E. 236
British Luxfer Prism Syndicate Ld., 16, Hill Street, Finsbury, London, E.C.; 67, Hope Street, Glasgow; Winchester House, Victoria Square, Birmingham; 29, Princess Street, Manchester; Worswick Street, Newcastle-on-Tyne 128, 233, 236
Broad & Co., Ld., 2 & 4, South Wharf, Paddington, London, W.; Finchley Road (L. & N. W. Railway Station), and Old Jamaica Wharf, Blackfriars, London; West Drayton; Hayes, G. W. Ry.... 206, 207
Broadbent & Co., Leicester 70
Brooker, J. T., British Timber Works, Dorking 104A, 104B
Broseley Tile Makers' Association, Broseley, Shropshire 46, 47
Brown, A. A., St. Nicholas Granite Works, Aberdeen ... 81
Bryden, John, & Sons, 90, Gloucester Road, London, S.W.; 16, Frederick Street, Edinburgh; 60, Renfield Street, Glasgow; 32, Bell Street, Dundee 160
Bursledon Brick Co., 13, Portland Street, Southampton 34

Carr, Chas., Ld., The Bell Foundry, Smethwick ... 215
Carter & Co., Encaustic Tile Works, Poole; 29, Albert Embankment, London, S.E.; 100, Deansgate, Manchester; Architectural Pottery, Hamworthy... 52A, 52B
Cartland, J., & Son, Ld., Birmingham; 57, Holborn Viaduct, London, E.C. 176, 177, 200, 201
Caston, Geo., & Co., Ld., Sterry Street, Tabard Street, London, S.E. 122
Chance Bros. & Co., Ld., Glass Works, near Birmingham 232A, 232B
Chancellor, C., & Co., 13, Clerkenwell Road, London, E.C. 244A, 244B
Chappell & Payne, 11, Queen Street, Cheapside, London, E.C. 246
Clark, S., & Co., Compton Works, Canonbury Road, Highbury; Bath House, 58, Holborn Viaduct, London 157
Coles, Shadbolt & Co., Ld., 123, Caledonian Road, London, N.; Harefield, Middlesex 66
Collier, S. & E., Ld., Reading 35
Collier, W. H., Mark's Tey Brick, Tile, Pipe, and Pottery Works, near Colchester 33
Cooper, H. W., & Co., Ld., 28A, Upper George Street, and 16 and 18, Little Queen Street, Edgware Road, London, W. 149
Cooper, J. K., & Sons, Brick, Tile, and Terra Cotta Works, Pinkney's Green, Maidenhead; Castle Hill, Maidenhead 36, 37
Couzens, George, & Sons, City Road Works, Oxford Lane, Cardiff 204
Crapper, Thomas, & Co., Ld., 50, 52 & 54, Marlborough Road, Chelsea, London, S.W. 211
Cruickshank, R. D., & Co., Albyn Granite Works, Aberdeen 81

Davies Bros., Portmadoc, North Wales 71
Dawson & Co., Ld., Mendip Wharf, Battersea, and Falcon Road, Clapham Junction, London, S.W. 34, 80, 205

PAGE

Dean, J., 339, Putney Bridge Road, and Cromwell Buildings, London, S.W. 216
Dixon & Corbitt & R. S. Newall & Co., Ld., 130, Strand, London; Gateshead-on-Tyne 254
Donkin, J., 4, Albert Road, Bournemouth; 73, High Street, Clapham, London 203
Doughty, John, & Son, Jackfield, Salop; Broseley, Salop 48
Dowson, Taylor & Co. ... ... (*See Mather & Platt, Ld.*)
Drew-Bear, Perks & Co., Ld., 71A, Queen Victoria Street, & Battersea Steel Works, Wellington Road, London 108, 109
Duffy, W., Gainsborough Road, Victoria Park, London, N.E. 98, 99

Edwards, J. C., Terra Cotta Works, Ruabon, North Wales; 376 & 377, Strand, London, W.C.; 8, South Parade, St. Mary's Street, Manchester; 196, St. Vincent Street, Glasgow 38, 39, 53, 210
Efficient Lighting & Heating Co., Hill Street, Park Road, Regent's Park, London, N.W. 148
Elliott, Samuel, & Sons, Ld., Caversham, Reading 95
Ellis, Geary & Co., 139, Cannon Street, London, E.C. 90, 97
Ellis, Partridge & Co., Ld., Grey Friars, Leicester; Gospel Oak Slate Depôt, Kentish Town, London, N.W. 34, 70
Emley & Sons, Ld., 42 & 44, Westgate Road, Newcastle-upon-Tyne 82, 154
Essex & Co., Ld., 114 & 116, Victoria Street, London, S.W.... ... ... 246A—246D
Exley, W., & Sons, The Rock Works, Broseley, Shropshire 48

Faldo, Thomas, & Co., Ld., Somerset Wharf, 283, 285, Rotherhithe Street, London, S.E. 64
Fenning & Co., Ld., 3, Salters' Hall Court, Cannon Street, London, E.C. 81
Fleming, P. & R., & Co., 29, Argyle Street, Glasgow 107
Fletcher, Russell & Co., Ld., Scotia Foundry, Pendleton, and 130 & 132, Deansgate, Manchester; 17, Islington, Liverpool; 134, Queen Victoria Street, London; Palatine Works, Warrington 194
Francis, S. W., & Co., Ld., 64, 66, 68 & 70, Gray's Inn Road, London, W.C. 220
Furse, W. J., Traffic Street, Queen's Walk, Nottingham 254

Garden & Co., Victoria Works, Aberdeen 81
Gardiner, Sons & Co., Ld., Nelson Street and Midland Ironworks, Bristol...118, 123, 124, 132, 133, 161, 196, 197, 202
Geary, Walker & Co., Ld., 11, Queen Victoria Street, London, E.C. 89, 100
Gerish, S., & Co., Buttesland Street, East Road, London, N. 171
Gibbard, J. R., & Son, St. Sidwells, Exeter; 37, High Street, Wimbledon, Surrey 101
Gibbons, James, St. John's Iron Works, Wolverhampton; 9, Southampton Row, London, W.C. 173
Gibbs & Canning, Ld., Glascote Works, Tamworth; 340, Gray's Inn Road, London, W.C. 40
Gibbs, John, & Son, 72, 74 & 76, Juke Street, Liverpool 152, 153, 187
Gray, James, Danvers Street, Chelsea, London, S.W. 156, 256
Gray, J. W., & Co., 5, Philpot Lane, and 69, Commercial Street, London; 11, Millstone Lane, Leicester 255
Gray, J. W., & Son, 115, Leadenhall Street, London, E.C. 252

PAGE

Greaves, Bull & Lakin, Ld., Harbury, Leamington; 16A, South Wharf, Paddington, London, W.; Worcester Wharf, Birmingham 67
Griffiths, Wm., 126, Hamilton House, Bishopsgate Street Without, London, E.C. 52
Grover & Co., Ld., Britannia Works, Wharf Road, City Road, London, N. 237

Hall, John, & Sons, 217, Hornsey Road, London, N. ... 216
Hall (Matthew) & Co., 88, Wigmore Street, London, W. 213
Hanwell's Glazing Works, Abingdon Street, Northampton 238
Hartley Bros., Queen's Road, Gorton, Manchester ... 225
Havelock Patent Plaster Partition Co., 63, Finsbury Pavement, London, E.C. 128
Hayward Brothers & Eckstein, Ld., 187—201, Union Street, Borough, London, S.E.; 3, Simpson Street, Manchester; 141, West Regent Street, Glasgow 111, 115, 138, 154, 165, 198, 232, 234
Hayward, Wm., & Sons, Ld., Brunswick and Vulcan Works, Wolverhampton; 107, Cannon Street, London, E.C. 119
Helliwell & Co., Ld., Brighouse, Yorks; 11, Victoria Street, London, S.W.; 32, Queen Square, Bristol; Welford Place, Leicester; Star Works, Cambridge Street, Birmingham; Ocean Buildings, Donegal Square, E., Belfast; 180, West Regent Street, Glasgow; Phœnix Works, Russell Road, Aberdeen; 17, Nassau Street, Dublin; 71, Mosley Street, Manchester; 12, Akenside Hill, Quayside, Newcastle-on-Tyne... 239
Heywood, W. H., & Co., Bay Hall Works, Huddersfield; 39, Victoria Street, London, S.W.; 49, Deansgate, Manchester 231
Hill & Smith, Brierley Hill Iron Works, Brierley Hill, Staffordshire; 118, Queen Victoria Street, London, E.C. 118A, 118B
Hinchliff, Geo., & Son, Clayton West and Skelmanthorpe, near Huddersfield 75
Hobbs, Hart & Co., Ld., Arlington Street, Islington, and 76, Cheapside, London ... ... 134—137, 178—181
Hodkin & Jones, Ld., Havelock Bridge Works, Queen's Road, Sheffield; 63, Finsbury Pavement, London, E.C. 77, 88, 130
Hodkinson & Co., Ld., Canada Works, Hawkes Street, Small Heath, Birmingham 223
Hollybrook Brick Co., Ld., Chester Park, Kingswood, Bristol 45
Holt, W. F. S., Bowling Back Lane, Bradford 224
Howorth, Jas., & Co., Victoria Works, Farnworth, near Bolton 150

International Asphalte Co. (G. A. Wall), Chiswell House, 133, Finsbury Pavement, London, E.C. ... 64, 71
Irish Marble Co. (Richard Colles), Marble Mills, Kilkenny, Ireland 82

Janes & Son, 101, Aldersgate Street; 4, Panton Street, Haymarket; and Glasshouse Yard, London... ... 216
Jeffrey & Co., 31, Mortimer Street, London, W.; 64, Essex Road, Islington, London, N. ... 247—250
Jennings, C., & Co., Earl's Mead Joinery Works, Pennywell Road, Bristol 96
Jones, F., & Co., 12, Perrin Street, Kentish Town, London, N.W.; 1, Cross Street, Manchester; South Bank Works, Middlesbrough ... ... 56, 128A—128D

PAGE

Kaye & Co., Ld., Southam Works, Rugby 66
Kensington Window Blind Co., 118, Kensington High Street, London, W.; Bridge Road and Blacks Road, Hammersmith, W. 219
King, J. A., & Co. ("MACK" Fireproofing Co.), Bridge House, 181, Queen Victoria Street, London, E.C.; Hayes, Middlesex; Rawcliffe, Yorks 129

Latto, A. F., & Co., Wood Street Buildings, Fore Street, London, E.C. 246
Lawford & Co., 65, Fenchurch Street, London, E.C. 65
Lee, Arthur, & Bros., Ld., Marble Wharf, Hayes, Middlesex 80A, 80B
Leeds Fire Clay Co., Ld., 2 and 3, Norfolk Street, Strand, London, W.C.; Wortley, Leeds; 21, Leeds Street, Liverpool; 1, Edmund Street, Birmingham; L. & N. W. Goods Yard, Ardwick, Manchester; 38, Church Street, Sheffield; Alfred Gelder Street, South Side, Queen's Dock, Hull; Royal Exchange, Middlesbrough; 4, Northumberland Street, Newcastle-on-Tyne 54A, 54B
Leeming Bar Foundry Co., Bedale 187
Leggott, W. & R., Ld., Silens Works & 51, Hustlergate, Bradford; 90 and 91, High Holborn, London, W.C.; 65, King Street, Manchester ... . 182—185
Lewis, Joseph, 5 and 6, Great Winchester Street, London, E.C. 251
Lift & Hoist Co., 108—112, Prince Street, Deptford, London, S.E. 115, 138, 160A, 160B
Limmer Asphalte Paving Co., Ld. (The), 2, Moorgate Street, London, E.C. 64
London Asbestos Co. (The), 101, Leadenhall Street, London, E.C. 55
London Drawing & Tracing Office, 98, Gray's Inn Road, Holborn, London, W.C. *Special position* ~~334~~ 334
Lucas, J. E., & Son, Engineers and Patentees, Brockley, London, S.E. 164, 226
Luxfer Prism Syndicate, Ld. (The British), 16, Hill Street, Finsbury, London, E.C.; 67, Hope Street, Glasgow: Winchester House, Victoria Square, Birmingham; 29, Princess Street, Manchester; Worswick Street, Newcastle-on-Tyne ... 128, 233, 236
Lyte's Metallic Woven Stair-Tread Co., Ld., 24, Craven Street, Charing Cross, London, W.C. ... 230

"Mack" Fireproofing Co. ... (*See King, J. A., & Co.*
McNeill, F., & Co., Lamb's Passage, Bunhill Row, London, E.C. ... ... 59—62
Madeley Wood Co. (The), Iron Bridge, R.S.O., Shropshire 49
Major, H. J. & C., Ld., The Patent Tile Works, Bridgwater 50, 51
Malkin Tile Works Co., Ld., Burslem, Staffs.; 65, Charing Cross Road, London, W.C. 31
Mather & Platt, Ld., Queen Anne's Chambers, Westminster, London, S.W.; Park Works, Manchester 125, 139
Mathews, E., & Co., 61, St. Mary Axe, London, E.C.; Aberllefenny, North Wales; 37, Victoria Street, Bristol; Midland Wharf and Payne Road Wharf, Bow, E. 68, 72
Mellowes & Co., Ld., Corporation Street, Sheffield; 28, Victoria Street, London, S.W. 240
Moore, M. & R., 64, Pentonville Road, and "Times" Wharf, 215, New North Road, London, N. 88
Mosaic & Artistic Floors Co., 10A and 12, King's Road, St. Pancras, London, N.W. 91
Motley & Green, Ld., 33, Kirkstall Road, Leeds... ... 112

PAGE

Nelson, Charles, & Co., Ltd., Stockton (near Rugby), Warwickshire; 16, South Wharf, Paddington, London, W.; Cambrian Wharf, Crescent, Birmingham; 2, Mount Street, Manchester 69
Noakes, E. G., Steam Joinery Works, West Street, Eastbourne... 94
North British Plumbing Co., Ld. (The), 15, Carteret Street, Westminster, London, S.W. 208, 209
North Wales Slate Co., Portmadoc, Carnarvonshire ... 72
Northwood, John, 50, Vaughton Street South, Birmingham 107

Oakeley Slate Quarries Co., Ld. (The), 53, Parliament Street, Westminster, London, S.W.; Portmadoc, North Wales 72
Odling (Anselm) & Sons, Ld., Crown Wharf, 132, New North Road, London; Exchange Wharf, 285—289, Vauxhall Road, Liverpool; 45, Anderston Quay, Glasgow; New Cleveland Street, Hull... ... 82A, 82B
Owen, Joseph, & Sons, Ld., Stanley Saw Mills & 166, Regent Road, Liverpool; 190A, High Street, Borough, London, S.E.; Tunstall Saw Mills, Tunstall; Hunslet Lane, Leeds; Grey Mare Lane, Openshaw, and 21, Grosvenor Street, C.-on-M., Manchester 94

Parkstone Steam Joinery Co., Poole Road, Parkstone, Dorset 95
Parry, H., & Sons, Ld., Kirton-in-Lindsey, R.S.O., Lincs. 68
Pethick Brothers, Laira Bridge, Plymouth; 109, Victoria Street, Westminster, London, S.W. 82
Pilkington & Co., Monument Chambers, King William Street, London, E.C. 66
Pilkington Bros., Ld. (The St. Helen's Glass Co.), St. Helen's, Lancs.; Horse Shoe Wharf, 10, Upper Thames Street, London, E.C.; 22, Drury Buildings, Water Street, Liverpool; 24 and 25, Grosvenor Chambers, Deansgate, Manchester ... ... 234A—234D
Prestage & Co., The Milburgh Tileries, Broseley, Salop 49
Preston Granite Concrete Co., Ld., The Docks, Preston, Lancs. 78
Price, George, Ld., Cleveland Works, Wolverhampton 141

Quadruple Exhaust Ventilator Co., Morecambe, Lancashire 151

Rhiwbach Slate Quarry Owners, Blaenau Festiniog, North Wales 71
Rhodes' Patent Sash Hanging Co., Fairholt Works, Fairholt Road, Stoke Newington, London, N. ... 187
Riddiough, J., & Son, Ld., Bolton Woods, Bradford ... 75
Ridley, Thos. D., & Sons, Erimus Slag Paving Works, South Bank, R.S.O., Yorkshire 75
Ritchie, Alex., & Co., Castle Baynard Wharf, 12 and 13, Upper Thames Street, London, E.C. ... 188, 189
Roberts, Adlard, & Co., 25 and 26, Bermondsey Wall, London, S.E.; 11, Queen Street, Cheapside, London, E.C. 72

St. Pancras Ironwork Co., Ld. (The), 171, St. Pancras Road, London, N.W. 113, 140, 166, 212, 235
Scott Bros., Gravel Lane, Salford, Manchester 230
Sessions & Sons, Ld., Gloucester 87
Shaw & Carter, 10, Edgbaston Street, & Park Street, Birmingham 186

PAGE

Sheath Bros., 87, City Road, London, E.C. ... 228, 229
Skidmore, Thos., & Son, Staffordshire Safe Works, Wolverhampton 139
Smart (Josiah) & Son, 53, Victoria Street, Westminster; Great Northern Railway Goods Yard, Finsbury Park; Barchester Street, Poplar, London; Newton Chambers, Cannon Street, Birmingham; Matlock Bridge, Derbyshire; Cransley Siding, Kettering ... 66
Smith, A., & Stevens, Queen's Road, Battersea, London, S.W.; Norton Street, Greengate, Manchester 164A, 164B, 170
Smith & Turner, Bartholomew Close, London, E.C. ... 171
Snewin, C. B. N., & Sons, Back Hill, Hatton Garden, and Berkshire Road, Hackney Wick, London ... 94
Soper, John, 20, Old Cavendish Street, London, W. ... 220
Steer, Thornborough, & Co., High Cross, Tottenham, London, N.... 224
Stevens & Adams, 120—122, Victoria Street, London, S.W. 102
Stewarts & Lloyds, Ld., 41, Oswald Street, Glasgow; Nile Street, Birmingham; 50, Cannon Street, and 157 & 158, Upper Thames Street, London; 63, Paradise Street, Liverpool; 84, Deansgate, and Commercial Street, Manchester; Neville Street and Sovereign Street, Leeds; 132, Bute Street, and Hannah Street, Cardiff 158
Sun Gas Co., Ld., 15, Tothill Street, Broadway, Westminster, London, S.W. 148
Szerelmey, N. C., & Co., Szerelmey Works, Rotherhithe New Road, London, S.E. 245

Tann, John, Newgate Street, London, E.C. 146
Taylor, S. T., & Sons, Tynos Works, Scotswood, Newcastle-on-Tyne 156
Thornborough, F. M., & Son, 59, Chapel Street, Ancoats, Manchester 227
Turpin's Parquet Floor, Joinery and Wood Carving Co., 22G, Queen's Road, Bayswater, London, W. 103

Wall Paper Manufacturers, Ld., 71, Southampton Row; 1, Newman Street, and Old Ford Road, London 250A, 250B
Walton, Gooddy, & Cripps, Ld., Blenheim Wharf, Eagle Wharf Road, London, N.; 15, 17 & 19, Parliament Street, Liverpool; Canon's Marsh, Bristol 83—86
Warner, J., & Sons, 2, Jewin Crescent, Cripplegate, London, E.C.; Crescent Foundry, Spelman Street, Spitalfields, London, E. 214
Watson, Nelson, Ld., Napton, near Rugby 51
Waygood, R., & Co., Ld., Falmouth Road, London, S.E. 162, 163
Weeden, C., & Co., Lyon Works, 323, Caledonian Road, London, N. 246
Weldon Stone Quarries, Corby, Kettering 76
Westminster Patent Flooring Co. (The), Heckfield Place, Walham Green, London, S.W.... ... 79, 104
Wheatly & Co., Springfield Tileries, Newcastle, Staffs. 41—44
Whitehead, J., & Sons, Ld., Imperial Works, Kennington Oval, London, S.E.; Lambeth, London, S.E.; Aberdeen ... ... 86A—86D
Whitfield's Safe and Door Co., Oxford Street, Birmingham; Godliman House, Godliman Street, London, E.C. ... ... 142—145
Whitwick Colliery Co., Ld., Coalville, near Leicester ... 45
Wilkins, H. W., & Sons, 88, 90, 92, 94, Pentonville Road, London, N. 74
Wilkinson, W. B., & Co., Ld., Townmead and Imperial Roads, Fulham, London, S.W.; 13, St. Mary's Place, Newcastle-on-Tyne 78
Willesden Paper & Canvas Works, Ld., Willesden Junction, London, N.W.; 61, South John Street, Liverpool; 134, St. Vincent Street, Glasgow ... 63
Williams, W. D., Slate Quay, Carnarvon, N. Wales ... 71

PAGE

Williams, G. A., & Son, 21, Queen's Road, Bayswater, London, W. 221, 222
Winn, C., & Co., St. Thomas Works, Granville Street, Birmingham 172
Witchell & Co., Vulcan House, 56, Ludgate Hill, London, E.C. 105
Witcombe, G., & Son, Maidstone 78
Wontner-Smith, J., Gray & Co., 81, Finsbury Pavement, and Half Moon Passage, 17, Whitechapel High Street, London 155
Wood, James, Boughton Monchelsea, near Maidstone, Kent... 76
Wood Bros., Draycott-in-the-Clay, Sudbury, Derby ... 68
Wood Carving Co., Ld., Windsor Street, Birmingham 92
Woolliscroft, G., & Son, Ld., Hanley, Staffordshire; 76A, Great Portland Street, London, W. 54
Worrall, Iron Gate Works, Liverpool 120, 121
Worsley, R. E., & Co., Henry Street, Gray's Inn Road, London, W.C. 95
Wright, Geo., Ld., 155, Queen Victoria Street, London, E.C.; Burton Weir, Rotherham; 64, Bridge Street, Deansgate, Manchester... ... 114, 190—193
Wright, J., & Co., South Western Works, New Malden, Surrey 131

TELEGRAPHIC ADDRESSES.

Acetylene Corporation of Great Britain, Ld. ...	Flamma, London.
Acme Flooring & Paving Co. (1904), Ld.	Dowelled, London.
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,, ,, ...	Chromolith, London.
,, ,, ...	Range, Bristol.
,, ,, ...	Adamant, Newcastle-on-Tyne.
Adamantine Clinker Works	Adamantine, Little Bytham.
Adams, J., & Son	Slavius, London.
Adams, Robert	Robert Adams, London.
Aldridge Colliery Co., Ld.	Aldridge Colliery, Walsall-wood.
Anderson, D., & Son, Ld.	Anderson, Belfast.
,, ,, ..	Ulster, London.
Anderson, R., & Co. ..	Tonnerre, London.
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Ashtead Brick Works ...	Bricks, Ashtead.
Ashworth, J., & Co. ...	Ashworths, Sawyers, Water-foot.
Attwood, J.	Attwoods, Stourbridge.
Baldwin, Son & Co., Ld. ..	Baldwin, Stourport.
Baldwins, Ld.	Promptitude, London.
Barnstone Blue Lias Lime Co., Ld.	Cement, Barnstone.
Bayliss, Jones & Bayliss, Ld.	Bayliss, Wolverhampton.
Bell, P., & Son	Ironworks, Edinburgh.
Blackler, A. W., & Sons, Ld.	Blackler, St. Mary Church.
Blakeley, E. F., & Co. ...	Corrugated, Liverpool.
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,, ,, ,, ...	Hypostile, Glasgow.
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,, ,, ...	Brayates, London.
British Challenge Glazing Co., Ld.	Astragal, London.
British Luxfer Prism Syndicate, Ld.	Luxfer, London.
Broad & Co., Ld.	Broad & Co., London.
Broadbent & Co. .	Broadbents, Leicester.
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Brown, A. A.	Brown, Sculptor, Aberdeen.
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Carter & Co.	Tiles, Poole (A B C Code, 4th Edition.)
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,, ,, .	Cartlands, London.
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Compendium Publishing Co.	Faience, London.
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Dawson & Co., Ld.	Openness, London.
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Doughty, John, & Son ...	Doughty, Jackfield.
Drew-Bear, Perks & Co. ...	(Office) Bearbind, London.
,, ,,	(Works) Mechanurgy, London.
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Ellis, Geary & Co.	Geirbeid, London.
Ellis, Partridge & Co. ...	Elcho, Leicester.
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Fenning & Co., Ld.	Masonry, London.
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Fletcher, Russell & Co., Ld.	Gaseries, Manchester.
,, ,, ,, ...	Gaseries, Warrington.
,, ,, ,, ..	Gaseries, London.
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Gray, James	Gray, Chelsea, London.
Greaves, Bull & Lakin, Ld.	Greaves, Harbury.
,, ,, ,, ..	Lias, London.
,, ,, ,, ..	Greaves, Birmingham.
Griffiths, Wm.	Opalite, London.
Grover & Co., Ld.	Adopted, London.
Hall, M., & Co.	Esmeralda, London.
Hanwell's Glazing Works	Hanwell, Northampton.
Hartley Bros.	Hartley's, Gorton.
Havelock Patent Plaster Partition Co.	Plastipar, London.
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Hayward, Wm., & Sons, Ld.	Hayward, Wolverhampton
Helliwell & Co., Ld. ..	Helliwell, Brighouse.
,, ,, ..	Helliwell, London.
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Hill & Smith	Fencing, Brierley Hill
Hobbs, Hart & Co., Ld. ...	Hobbs Hart, London.
Hodkin & Jones, Ld. ...	Hodkin, Sheffield.
,, ,, ...	Plastipar, London.
Hodkinson & Co., Ld. ..	Hodkinson's, Small Heath.
Hollybrook Brick Co., Ld.	Hollywood, Kingswood, Gloucester.
Holt, W. F. S.	Holt, Laisterdyke.
Howorth, J., & Co.	Ventilator, Farnworth, Bolton.
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Irish Marble Co. (Richard Colles)	Colles, Kilkenny.
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,, ,, ,, .	Saltglaze, London.
,, ,, ,,	Joscliffs, Liverpool.
,, ,, ,, ..	Fireclay, Hull.
,, ,, ,, ...	Fireclay, Manchester.
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,, ,, ,, ..	Fireclay, Sheffield.
,, ,, ,, ..	Fireclay, Newcastle-on-Tyne.
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,, ,, ...	Silens, Bradford.
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,, ,, ...	Eyeball, Liverpool.
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Malkin Tile Works Co., Ld.	Cubes, Burslem.
Mather & Platt, Ltd. ...	Sprinkler, London.
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,, ,, ...	Mellowes, London.
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.. ..	Nelson, South Wharf, Paddington.
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Oakeley Slate Quarries Co., Ld.	Old Vein, London
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,, ,, ,,	Odling Liverpool.
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,, ..	Bucheron, London.
Parkstone Steam Joinery Co.	Joinery Co., Parkstone, Dorset.
Parry, H., & Sons, Ld. .	Lias, Kirton-Lindsey.
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,, ,, ,,	Cripps, Bristol.
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,, ,, ,,	Blizzard, London.
Worrall & Co.	Worrall, Ironworks, Liverpool.
Wright, George, Ld. ...	Maypole, Rotherham.
,, ,, ...	,, London.
,, ,, ...	,, Manchester.
Wright, J., & Co.	Wright Co., New Malden.

INDEX TO GOODS AND MATERIALS.

PAGE

A.

Ablution Benches ... *See Lavatories*
Acetylene Lighting and Fittings ... *See Gas Engineering and Fittings*
Adamant ... ... *See Plaster*
Adamantine Clinkers ... ... *See Bricks*
Agricultural Drain Pipes ... *See Pipes*
Air Bricks ... ... *See Bricks, Air*
,, Grids... *See Grilles, Gratings, or Grids*
,, Propellers. *See Ventilation & Ventilators*
Alabaster ... ... *See Marble*
Alarms 125, 148
Altar Rails 105
Altars 82, 85, 86, 86B
Anaglypta. *See Wall and Ceiling Coverings*
Artificial Stone, Marble, or Concrete, 75, 77, 78, 79, 127, 131
Bowstone 78
"Granit" 127
Granolithic 79, 127
Wilkinson's 78
Wright's 131
Art Metal Work... ... *See Metal Work*
Asbestos 55
,, Cloth 55
,, Fibre 55
,, Fuel 55
,, Millboard 55
,, Paper 55
,, Slates 55
Ash Bins ... ... *See Dust Bins*
,, Closets ... ... *See Closets*
Asphaltes ... 62, 64, 65, 66, 71, 104
Acid Resisting 64, 66
Bitumen 64
British 64
Brunswick 64
Compressed 66
Fibrous 62
Lava 64, 65, 71
Limmer 64, 65, 66, 71
Mastic 62, 64, 66
"Metal" 62

Asphaltes (*continued*)— PAGE
Polonceau 66
Rock 64
Seyssel 64, 65, 66, 71
Sicilian 64
Trinidad 64
Vorwhole 64

B.

Balconies 105, 106, 114, 115, 123, 124, 190
Ballast or Shingle 33
Ball Valves ... ... *See Valves*
Balusters and Balustrades ... 37, 82A, 92, 105, 118A, 120, 123, 190
Band Stands 114, 118A, 189
Bank Fittings 94, 95, 230
Barrows 93
Basement Lights. *See Pavement Lights*
Baths and Bath Fittings, 74, 82B, 86, 87, 155, 188, 190, 213
Iron, Porcelain Enamelled, 87, 188
Marble 74, 82B, 86
Public 86
Bedstones 76
Bells 148, 155, 214, 215, 251, 254, 255
Chimes 214, 215
Church, School or Factory 214, 215
Clock... 214
Electric 148, 155, 215, 251, 254, 255
Hand... 215
Bends ... ... *See Channels and Bends*
Bentwood... ... ... 93, 94
Blinds, 160, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 227
Awning 216
Balcony 216
Canaletta 217
Cane 216, 217, 218
Conservatory or Greenhouse 216, 218
Duchesse 216, 217
Festoon ... 216, 217, 219, 220, 222

Blinds (*continued*)— PAGE
Florentine ... 216, 217, 218, 219 220, 222, 223, 224
Glass 216, 217, 218
Helioscene ... 216, 217, 218, 219, 222, 223
Invisible 221
Italian 220
Jalousies 219, 222
Japanese 216
Lever-action Pulley 220
Metallic Venetian 223
Oriental ... 216, 217, 218, 219, 224
Shop, 216, 217, 218, 219, 220, 222, 223
Shutter 216, 218, 222
Simplex 218
Spanish ... 216, 218, 219, 220, 223
Spring Roller or Self-Coiling, 160, 216, 217, 218, 219, 220, 223, 225
Sun or Tropical 160, 216, 217, 219, 220, 222, 223, 224, 225
Transparent 216
Universal 216, 221, 222
Venetian, 216, 217, 218, 219, 220, 222, 223, 224
Wire, 216, 217, 218, 219, 222, 223, 224
Blocks ... ... *See Pulleys*
Blowers 150
Boiler Coverings ... 55, 56, 57, 156
Boilers 154, 155, 156, 214, 256
"Daisy" 154
Independent 156
Steam 214
Waterway 156
Bolts and Bars 171, 182, 183, 199
Casement ... ...*See Casements, Fastenings and Stays*
Gate 171, 199
Panic or Exit ... *See Door Fittings*
"Ralric" 183
Brackets 120
Electric Light ... *See Electric Lighting and Fittings*
Gas. *See Gas Engineering and Fittings*

PAGE

Branch Pipes. *See Hose Branch Pipes, &c.*
Brasses ... ... *See Memorial Brasses*
Fire ... *See Fire Irons and Brasses*
Brass Work, 118A, 122, 123, 185, 200, 214, 215
Gas Fitters. *See Gas Engineering and Fittings*
Braziery 214
Bricks ... 32, 33, 34, 36, 37, 40, 42, 44, 45, 49, 50, 51, 53, 54, 54A, 54B, 66, 70, 76, 87, 205, 207
"Adamantine Clinker" ... 32, 53
Adderley Park 34
Air 37, 40, 42
Blue 33, 34, 44, 45, 53, 54
Channel ... *See Channels and Bends*
Enamelled or Glazed, 34, 40, 53, 54A, 87
Fire 32, 40, 45, 49, 70
Fletton 32, 34
Flooring and Paving, 32, 33, 34, 36, 44, 45, 50, 53, 76
Hessell-Tiltman's 54B
Hollybrook 45
Kerb ... ... *See Bricks, Flooring*
Majolica 53
Moulded 33, 34, 37, 44, 53
Ornamental 36, 37
Partition 54B
Paving ... *See Bricks, Flooring*
Quarries ... *See Quarries or Squares*
Red ... 33, 34, 36, 37, 45, 50, 54
Sewer 45
Shepwood 54B
Stable 32, 33, 44, 45, 53
Staffordshire ... *See Bricks, Blue*
Terra Mettalic ... *See Bricks, Blue*
Ventilating ... ... *See Air Bricks*
"Whitwick" 45
Bridges 106, 107, 115
Brilliant Cut Glass. *See Glazing and Glass*
Bronze Work 118A, 122, 185
Building Blocks... 131
Buildings, Iron, Wood, &c. ... *See Iron, Wood, &c., Buildings*
Portable ... ... *See Iron, Wood, &c., Buildings*
Bullion Chests ... ... *See Safes*
Bungalows. *See Iron, Wood, &c., Buildings*
Burglar Alarms ... ... *See Alarms*
Busts ... *See Carving and Sculpture*
Butter Blocks 87

C.

Canopies ... ... *See Porches, &c.*
Cans 110
Carts and Vans 187
Carving and Sculpture 82B, 85, 92, 95, 103
Casement Fastenings and Stays, 173, 175, 176, 177, 182, 199
Cockspur 182
Espagnolette ... 173, 177, 199
"Rigo" 175
Casement Fittings. *See Gearing and Fittings*
Casements and Frames, 105, 107, 149, 164, 173, 186, 196, 198, 226
Brass 149
Copper 149
Gun Metal 149
Hayward's 198
Iron and Steel, 105, 107, 149, 164, 173, 186, 196, 198, 226
Casement Sill Bars ... *See Weather Bars*
"Castalice" 122
Castings 107, 110, 187, 256

PAGE

Cattle House Fittings and Troughs 165, 187
Ceiling or Roof Lights ... *See Skylights*
Cellar Flaps 234, 235
Cements 55, 66, 67, 68, 69, 78, 127, 205, 207
Asbestos 55
Birmingham Waterproof... ... 127
Fireproof 127
Keene's 68
Lias 67
Parian 68
Portland 66, 67, 69
Roman 67
Selenitic 67, 69
Chains 186
Chairs 194
Channels and Bends 108, 206
Iron or Steel 108
Chimney Cowls ... *See Chimney Pots, &c.*
Chimney Pieces and Mantels, 54, 74, 75, 80, 82, 85, 86, 87, 88, 95, 189, 190, 192, 194
Enamelled Slate 87
Iron 87, 189
Slate 87
Stone or Marble, 74, 75, 80, 82, 85, 86, 87, 88
Wood 87, 95, 190, 192
Chimney Pots, Caps or Cowls, 36, 37, 39, 40, 45, 70, 150, 151, 206
Chimney Shafts or Stacks ... 254, 255
Chimney Sweeping Machines... ... 186
Chimneys and Steeples Repaired, Rebuilt or Repointed 251, 253, 254, 255
Church Benches ... ... *See Seating*
,, Spires Restored 251, 253, 254, 255
,, Seating ... ... *See Seating*
Church Stalls ... ... *See Seating*
Cisterns and Tanks, 71, 87, 110, 156, 211, 213
Automatic Flushing 211
Hot Water 156
Sewage 213
Slate 71, 87
Syphon 211
Waste Preventing 211
Closets, 54, 188, 190, 203, 206, 211, 213, 214
Ash or Peat 203
Automatic Flushing. *See Cisterns and Tanks*
Donkin's Separating 203
Earth... 203
"Improved Marlboro" 211
Portable 214
Valve... ... ... 211, 214
Coach House Fittings. *See Stable and Coach House Fittings*
Coal Plates 235
Cocks ... ... *See Valves*
Coil Cases 156
Colours ... ... *See Paints*
Columns, 80, 81, 82, 82B, 84, 86, 107, 119, 187
Granite 81, 82
Iron or Steel ... 107, 119, 187
Stone or Marble ... 80, 82, 82B, 84, 86
Concrete ... *See Artificial Stone or Concrete*
Connections ... ... *See Pipe Joints*
Conservatories. *See Horticultural Buildings*
Cooking Apparatus. *See Kitcheners, Ranges, &c.*
Cooking Stoves ... *See Kitcheners, Ranges, &c.*
Copper Work ... ... *See Metal Work*
Cornice Poles and Fittings ... 218, 219
Counters 74, 82, 82B, 94, 95

PAGE

Cow House Fittings ... *See Cattle House Fittings*
Cowls ... ... *See Chimney Pots, &c.*
Cranes 155, 160B, 162, 163, 164
Belt Power 160B, 164
Electric 160B, 163, 164
Hand Power 160B, 164
Hydraulic 160B, 164
Jib or Luffing 160B
"Simplex" 160B
Crestings 105, 114
Crosses or Crucifixes 36, 37, 81, 85, 118A
Cucumber Houses. *See Horticultural Buildings*
Curbs ... *See Fenders and Curbs or Kerbing*
Curtains 55, 218, 219
Fireproof 55

D.

Damp Proof Courses and Materials, 57, 62, 63, 64, 65, 66, 71, 129, 206, 245
Asphalte ... ... *See Asphaltes*
Bitumen 57, 62
Petrefying Liquid 245
Slate 71
Stoniflex 57
Szerelmey Waterproofing Liquid 245
Willesden Paper, Canvas and Scrim 63
Daylight Reflectors 235
Deafening... ... ...*See Sound Proofing*
Deck Lights 235
Distemper ... ... *See Paints*
Dog Grates. *See Fireplaces, Stoves & Grates*
Dome Lights ... ... *See Skylights*
Door and Lock Furniture, 123, 177, 178, 180, 181, 182, 183, 185
Cartland's 177
Forward 183
Hobbs's 178, 180, 181
Leggott's 182, 183
Mace's 182
Pitt's 177, 182
Sonrad 182
Door Checks, Springs and Spring Hinges, 168, 170, 171, 172, 173, 176, 182, 185, 199
"Battersea" 170
Blount 172
Cartland's 176
Climax 176
Crown Victor 168
Empress Victor 168
"Fam" 173
Gerish's 171
Helical 176
Janus 170
Leggott's 182, 185
Model 170
Pneumatic 171, 173, 182
"Rojon" 182
Silent B.T. 171
Slave... 173
Smith's and Ben Turner's ... 171
Victor 168, 199
Door Fittings—
Exit or Panic ... 171, 173, 180, 199
Hobbs' 180
X-it 199
Sliding or Rolling, 142, 146, 172, 175, 187
Door Mats 229
Door Rollers 174, 187
Door Slides 228

PAGE

Door Springs. *See Door Checks, Springs, &c.*
Doors and Frames, 94, 95, 96, 103, 106, 115, 132, 133, 134, 136, 138, 139, 140, 141, 142, 143, 144, 145, 146, 164, 173, 190, 220, 226
Anchor Reliance 146
Armoured 139
,, Uralite 139
Fire, Burglar-Proof and Strong Room, 106, 132, 133, 134, 136, 138, 139, 142, 143, 144, 145, 146, 190
Iron and Steel, 106, 115, 132, 133, 138, 139, 140, 141, 142, 143, 144, 145, 146, 164, 173, 190, 220, 226
Metal Covered 138
Partition, Prison and Party Wall, 132, 134, 136, 138, 139, 141, 142, 143, 173
"Resistance" 138
Sliding or Rolling, 132, 136, 138, 142
Wood ... 94, 95, 96, 103, 226
Drain Clearing Machines 186
Drainage 165, 166, 208
Draught Excluders 228, 229
Drawings 334
Drinking Troughs 187
Drums 110
Drying Apparatus 150
Dust or Ash Bins 175

E.

Earth Closets ... ... *See Closets*
Electric Bells ... ... *See Bells*
Electric Lighting and Fittings, 148, 155, 254, 255
,, Power 148
Electrical Glass Appliances 234c
,, Switchboards ... 74, 87
Electro Plating ... ... *See Plating*
Elevators. *See Lifts, Elevators and Hoists*
Embossing ... *See Glazing and Glass*
Enamels ... ... *See Paints, &c.*
Engine Fittings 214
Engines 214
Beer 214
Fire ... ... *See Fire Engines*
Pumping, *See Pumps and Pumping Machinery*
Steam 214
Exit Door Fittings ... *See Door Fittings*
Expansion Joints. *See Pipe Joints and Connections*

F.

Facias 220
Faience 52B, 53, 54
Fanlight Catches. *See Gearing and Fittings*
Fanlight Gearing and Fittings. *See Gearing*
Fanlights ... ... *See Skylights*
Felloes 94
Felt ... 56, 57, 58, 59, 60, 61, 62, 66
Bituminous 57, 60
Hair 57, 60
Inodorous 57, 60
Roofing 57, 58, 59, 60, 66
Sarking or Slaters' ... 57, 58
Stoniflex 58
Fencing. *See Gates, Railings, and Fencing*
Fenders and Curbs, 74, 82, 87, 88, 189
Ferneries ... *See Horticultural Buildings*
Fibrous Plaster ... ... *See Plaster*

PAGE

Figures *See Carving and Statuary*
Filter Beds 213
Finger Plates. *See Door and Lock Furniture*
Finials, 33, 36, 37, 43, 48, 49, 51, 53, 105, 114, 118A, 123, 206, 251, 254
Copper 251, 254
Iron 105, 118A, 123, 251, 254
Tile or Terra Cotta, 33, 36, 37, 43, 48, 49, 51, 53, 206
Fire Alarms ... ... *See Alarms*
,, Appliances 125, 214
,, Bricks and Blocks ... *See Bricks*
,, Clay 32
,, Cocks ... *See Valves and Cocks*
,, Engines 214
,, Escape Staircases ... *See Staircases*
,, Hose. *See Hose, Branch Pipes, Hose Unions, &c.*
,, Hydrants ... ... *See Hydrants*
,, Irons and Brasses 189
Fireplaces, Stoves, and Grates, 52B, 54, 74, 107, 157, 189, 190, 191, 194
Condensing 157
Faience 52B
Gas 194
Gibbs' Lintels for 187
Hall 190
Hospital 190
Hot Air and Ventilating 190
Lintels for 187
Mantel Register ... 190, 191, 194
Register 194
Slow Combustion 190
Syphonette 157
Fireproof Curtains ... ... *See Curtains*
Fireproof Floors, 56, 78, 127, 129, 130
Corrugated Bar 130
"Mack" 129
Fireproof Lathing 138
Fireproof Partitions, 127, 128, 128A, 128B, 128C, 129, 131
"Havelock" 128
"Hercules" 128A
"Mack" 129
Wall Plate 128B
Fitments. *See Joinery, Furniture, &c.*
Fixing Blocks or Bricks 131
Flag Poles 251
Flooring and Paving, 32, 44, 64, 65, 66, 71, 74, 75, 77, 78, 80, 81, 82, 82A, 84, 85, 86, 86C, 88, 89, 90, 91, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 127, 165, 206 *See also Fireproof Floors*
Artificial Stone, Marble, or Concrete 77, 78, 127
Asphalte ... ... *See Asphaltes*
Bricks ... ... *See Bricks*
Ceramic ... *See Mosaics, Ceramic*
"Durolithic" 91
Fireproof ... *See Fireproof Floors*
Granite Concrete 78
Granolithic 127
Lithofalt 64
Marble. *See Flooring, Stone or Marble*
Mosaic ... ... *See Mosaics*
Parquet ... 91, 97, 100, 101, 102, 103, 104
Anhydrous 89, 100
Cork 104
Mastic 97
Removable 104
Slate 71
Squares. *See Quarries or Squares*
Stable 32, 44, 78, 165
Stone, Granite, or Marble, 75, 80, 81, 82, 82A, 84, 85, 86, 86C, 91

Flooring and Paving (*continued*)— PAGE

Tar 66
Terrazzo ... ... *See Mosaics*
Tile ... ... *See Tiles*
"Westolite" 104
Wood 94, 95, 96, 100
Wood Block, 65, 78, 89, 91, 96, 98, 99, 100, 101, 102, 103, 104
Acme 98, 99
Anhydrous 89, 100
Disc Key 104
Duffy's Patent Immovable Acme 98, 99
Dura 101
"Interlocking" 97
Floor Lights ... *See Pavement Lights*
Floors, Fireproof *See Fireproof Floors*
Flower Pots 33
Flushing Apparatus and Chambers *See Cisterns and Tanks*
Fonts 80, 82, 85
Forcing Houses *See Horticultural Buildings*
Forms ... ... *See Seating*
Fountains... ... 80, 81, 82B, 85, 86C
Furnaces 150
Furniture... 95
Library ... *See Library Fittings*
Office... ... ... *See Office Fittings*

G

Galvanising 110
Garages. *See Iron, Wood, and other Buildings*
Garden Edging ... ... *See also Tiles*
,, Frames 256
,, Rollers 187
,, Tiles ... ... *See Tiles*
,, Vases ... ... *See Vases*
Gas Brackets ... *See Gas Engineering and Fittings*
,, Burners ... *See Gas Engineering and Fittings*
Gas Cookers ... *See Kitcheners and Cooking Apparatus*
Gas Engineering and Fittings, 124, 147, 148, 155, 194
Acetylene 147, 148
"Dry" 148
Gas Fires ... *See Fireplaces, Stoves, &c.*
Gate Hinges ... ... *See Hinges*
,, Latches ... ... *See Latches*
Gates, Railings, and Fencing, 93, 94, 95, 104A, 104B, 105, 106, 107, 114, 115, 116, 117, 118, 118A, 118B, 119, 120, 121, 123, 124, 133, 134, 146, 186, 189, 190, 215, 220, 224
Brass 121
Bronze 215
Collapsible and Folding, 115, 118, 120, 121, 134, 220, 224
Delta Metal 121
Electro Bronzed 121
Iron and Steel, 105, 106, 107, 114, 115, 117, 118, 118A, 118B, 119, 120, 121, 123, 124, 133, 186, 189, 190, 220, 224
Oak 104A, 104B
Portable 120
Self-Adjusting 116
Unclimbable, 106, 116, 118B, 119
Ventilating ... ... *See Grilles*
Wood ... 93, 94, 95, 104A, 104B
Gearing and Fittings for Fanlights, Skylights and Casements, 168, 171, 173, 176, 183, 184, 185, 199, 200, 201, 202 *See also Casement Fastenings*

Gearing, &c. (*continued*)— PAGE

Caledonia 199
Cartland's 176, 200, 201
"Convertible" 201
"Hendow" 183
Invisible 201
"Kelston" 184
"Krinsero" 183
Leggott's 183, 184, 185
"Link" 199
"Noxas" 183
Preston's 201
Silens 183
"Triad" 201
Girders and Joists ... 107, 108, 109, 119
Glazing and Glass, 128, 220, 231, 232, 232A, 232B, 233, 234A, 234B, 234C, 234D, 236, 237, 238, 239, 240
Bent 234C
Bevelled 234B
Brilliant Cut 234C
British Challenge 236
Crown 232A
Eclipse 240
Embossed 220, 234C
Figured 232A, 234B
Fire-Resisting 128
Flemish 232A, 232B
Hanwell's 238
Helliwell 239
Heywood's 231
Inflexible 240
Lead 232, 234C
Luxfer 128, 233, 236
Microscopical 232A
Muffled 232A
Obscured 234C
Optical 232A
Photographic 234C
Plate 232A, 234B
"Prior Glas" 232
Prismatic 233, 234B, 234D
Rolled ... 232A, 234A, 234B, 234C
Roof 231, 236, 238, 239
Rough Cast 232A, 234B
Silvered or Gilded 234B
Stained or Painted 232, 232A, 232B, 234C
Wire 234A, 234B
Gongs 215
Granite and Granite Work, 80A, 80B, 81, 82, 86, 86A, 86D
Cornish 81, 86A
Labradorite 86A
Scotch 81, 86A
Grates. *See Fireplaces, Stoves and Grates*
Gravestones ... ... *See Monuments*
Grease Boxes, Interceptors and Traps *See Traps*
Greenhouses *See Horticultural Buildings*
Grilles, Gratings, or Grids, 105, 118A, 120, 122, 124, 133, 134, 145, 146
Grills. *See Kitcheners, Ranges, and Cooking Apparatus.*
Grinnell Sprinkler 125
Gulleys ... ... *See Traps*
Gutters ... ... *See Rain Water Goods*

H.

Hair Fabric 57
Hammer Shafts 94
Handles ... *See Door and Lock Furniture*
Harness and Saddle Room Fittings *See Stable and Coach House Fittings*
Headstones .. ... *See Monuments*

PAGE

Hearths 74, 88
Tile ... ... *See Tiles, Hearth*
Heaters ... *See Hot Water Supply, &c.*
Heating, 150, 152, 153, 154, 155, 156, 157, 189, 190, 194, 208, 213, 256
Atmospheric Steam 155
Boilers ... ... *See Boilers*
Coils 156
Expansion Joints ... *See Pipe Joints and Connections*
Gas 156
Hot Water, 150, 153, 154, 155 156, 157, 189, 190, 194, 256
Radiators, 153, 154, 155, 156, 157, 213
"Eclipse" 156
"New Finsbury" 155
"Safford" 154
Syphon 157
Ventilating ... 153, 155, 156
Steam ... 153, 154, 155, 156, 213
Heraldic Work 216
Hinges 169, 171, 175, 204
Butt 169
Collinge's 171
For Reversible Casements ... 204
Gate 171
Gerish's 171
Imray's 171
Parliament 169
Redmund's 171
Spring *See Door Checks, Springs, &c.*
Hoggin 33
Hoists ... *See Lifts, Elevators & Hoists*
Horticultural Buildings ... 114, 256
Hose, Branch Pipes or Nozzles ... 229
,, Unions or Couplings, &c. ... 229
Hospitals, Iron Isolation. *See Iron, &c., Buildings*
Hot Houses. *See Horticultural Buildings*
,, Water Supply and Heaters, 153, 155, 156
Hot Water Tanks. *See Cisterns and Tanks*
Houses, Iron. *See Iron, &c., Buildings*
Humidifiers 150
Hurdles. *See Gates, Railings, &c.*
Hydrants and Fittings... ... 213, 214

I.

Inspecting and Intercepting Chambers, 208, 213 *See also Traps*
Inspection or Manhole Covers, 107, 175, 187, 190, 207, 211, 213
Insulating Papers 61, 63
Insulation 60, 61, 129
Roof 60, 129
Interceptors ... ... *See Traps*
Iron and Steel 106, 107, 110
Galvanised 110
Railway 106
Iron, Wood and other Buildings, 106, 107, 110, 112

J.

Jiggers ... ... *See Cranes*
"Jhilmil" 138
Joinery 92, 93, 94, 95, 96, 103, 226, 230
Jointing Materials 55
Joints ... *See Pipe Joints and Connections*
Joists ... ... *See Girders and Joists*

PAGE

K.

Kegs 110
Kerbing 75
Kicking Plates. *See Door and Lock Furniture*
Kitcheners, Ranges and Cooking Apparatus, 155, 188, 189, 190, 193, 194
"Castle Baynard" 188
Gas 190, 194
Sayvall 193
Steam 190
Knockers. *See Door and Lock Furniture.*

L.

Lamp Standards and Posts 114
Lamps and Lanterns 123, 124
Shades for 234C
Latches, 176, 177, 178, 179, 180, 181, 182, 185
Laths and Lathing 138
Lattice 122
Lavatories and Fittings, 71, 74, 82B, 85, 87, 88, 188, 190, 194, 213, 214
Lead Rain Water Heads and Pipes. *See Rain Water Goods*
Letter Plates and Boxes. *See Door and Lock Furniture*
Letters and Numerals, 120, 220, 230
Library Fittings and Furniture ... 95
Lift, &c., Gates & Enclosures, 105, 115, 118, 120, 122, 123, 124, 128, 224
Lifts, Elevators and Hoists, 148, 155, 160, 160A, 160B, 161, 162, 163, 164, 164A, 164B, 220, 223, 226, 227
A.B.C. Self-Sustaining 164
Belt Power 162, 163, 164, 223
Carriage, Wagon, or Motor Car 160B
Electric, 148, 162, 163, 164, 164A, 164B
Gear for 160
Hand Power 160, 162, 163, 164, 223
Hydraulic 162, 164
"Premier" 160B
Push Button ...162, 163, 164B, 223
Suspended or Self-Sustaining, 160, 162, 164, 226
Lighting. *See Electric Lighting, Gas Engineering and Fittings and Daylight Reflectors*
Lightning Conductors, 213, 251, 252, 253, 254, 255
Lewis's Link Connector 251
Testing 251, 252, 253, 254
Vyle's 254
Lime 66, 67, 68, 69, 205, 207
Blue Lias 66, 67, 68, 69
Lithography 334
Lock Furniture *See Door and Lock Furniture*
Locks, 174, 178, 179, 180, 181, 182, 183, 185
Cheapside 181
Dead 182
Differ with Master Key 174
Mortice, 174, 178, 180, 181, 182, 183
"New Century" 178, 179
Prison and Asylum 180
Rim 174, 179, 180, 182
Roller Bolt 175
Loose Box Fittings ... *See Stable and Coach-House Fittings*
Luxfer Electro-glazing... 128

PAGE

M

Mangers. *See Stable and Coach-House Fittings*
Manhole Covers. *See Inspection or Manhole Covers*
Mantel Registers. *See Fireplaces, Stoves and Grates, also Chimney Pieces*
Mantels. *See Chimney Pieces and Mantels*
Marble and Marble Work, 74, 80, 80A, 80B, 81, 82, 82A, 82B, 83, 84, 85, 86, 86A, 86B, 86C, 88
- Alabaster 80, 82
- Arm Alto 83
- Artificial *See Artificial Stone, Marble, &c.*
- Ashburton 80
- Bardilla 86
- Belgian 84, 86
- Breccia 82, 86
- Carrara 80B, 81, 83, 86
- Cippolino 83, 84, 86
- Connemara 82
- Devonshire 80
- Echaillon 80
- Glenenin 82
- Greek 86, 88
- Hautville 80
- Ipplepen 80
- Irish 82
- Italian 80B, 83, 86
- Jaline Benou 83, 85
- Jaune Lamartine 86
- Killarney 82
- Mexican 83
- Numidian 86
- Ogwell 80
- Onyx 80B, 82, 83, 85, 86
- Pavonazzo 83, 84, 86
- Petitor 80
- Rosso Antico 86
- St. Silvestre 86
- Secilian 84, 86
- Sienna 86
- Skyros 86, 88
- Swiss... ... ... 84, 86
- Verde Antico 85, 86
- Verona 86

Masonry. *See Stone, Marble and Artificial Stone*
Masonry Preservatives. *See Damp-Proof Courses, &c., also Paints*
Melon Houses *See Horticultural Buildings*
Memorial Brasses and Tablets, 74, 85, 118A
Memorial Windows ... ...*See Glazing*
Memorials ... ... *See Monuments*
Metal Work, 105, 106, 118A, 120, 122, 123, 124, 154, 173, 186, 196, 197, 224, 254
- Brass... ... ... *See Brass Work*
- Bronze ... ... *See Bronze Work*
- "Castalice" 122
- Copper 122

Models and Modelling 334
Monoliths... ... ... 80, 86
Monuments, 80, 81, 82, 82B, 84, 85, 86D
Mosaics, 52B, 53, 79, 81, 82, 88, 89, 90, 91, 100, 103, 104
- Ceramic 52B, 53, 104
- Enamel 91
- Glass 91
- Keramic ... ...*See Ceramic*
- Marble 52B, 88, 89, 90, 91
- Roman 81, 88, 89, 103
- Terrazzo ... 81, 88, 89, 90, 91, 103
- Venetian 89

Motor Car Houses *See Iron Buildings, &c.*

PAGE

Motor Wagons 212
Motors 148
Mouldings 93, 94, 95, 96, 246
Mural Tablets 85

N.

Name Plates 87, 105
Naves 94
Newels 84, 92, 118A
Nickel Plating ... ... *See Plating*
Non-Conductors, 55, 56, 59, 60, 62, 63, 156

O.

Oak Panelling ... ... *See Panelling*
Oakum 203
Obelisks ... ... *See Monuments*
Office Fittings and Furniture, 94, 95, 230
Onyx ... ... *See Marble*
Orchid Houses ... *See Horticultural Buildings*
Ovens—
- Cooking *See Kitcheners, Ranges, &c.*
- Drying ... *See Drying Apparatus*

Overdoors 92, 192, 194

P.

Pails 175
Paint, Varnishes, &c., 243, 244, 244A, 245, 246
- Anti-Corrosive 243
- Distemper 244
- Enamel 246
- Heat Resisting 245
- Japan 244
- Non-Poisonous 245
- Siderosthen 243
- Szerelmey Iron 245
- Velure 244A

Palisading. *See Gates and Railings*
Palm Houses. *See Horticultural Buildings*
Panelling 94, 95, 246
Panic Door Fittings ... *See Door Fittings*
Pantiles 33
Paper Hangings. *See Wall and Ceiling Coverings*
Parquet Flooring. *See Flooring and Paving*
Partition Blocks. *See Fireproof Partitions*
Partitions or Divisions, 164, 223, 224, 225, 226, 227 *See also Fireproof Partitions*
- Ball Bearing 224, 226
- Fireproof. *See Fireproof Partitions*
- Folding or Collapsible, 164, 223, 224, 225, 226, 227
- "Lucas" 226
- Revolving or Sliding ... 223, 226
- Swivel ... 164, 224, 225, 226, 227

Pavement... ... *See Flooring and Paving*
Pavement or Floor Lights, 107, 190, 233, 234, 235
Pavilions. *See Iron, Wood, &c., Buildings*
Peach Houses. *See Horticultural Buildings*
Perspectives 334
Photo Prints 334
Picture Rails ... ... *See Mouldings*
Pier Caps 37, 38
Piggery Fittings and Troughs, 165, 187
Pineries ... *See Horticultural Buildings*
Pipe Coverings 56, 57, 156
Pipe Fixing Brackets 209
Pipe Joints and Connections ... 70, 156, 188
- Expansion 156

PAGE

Pipes, 33, 40, 70, 87, 156, 158, 188, 207, 213, 256 *See also Hose*
- Agricultural 33
- Channel ... *See Channels & Bends*
- Connections. *See Pipe Joints and Connections*
- Drain and Sewer, 33, 40, 70, 87, 188, 207, 213
- Expansion Joints. *See Pipe Joints and Connections*
- Hot Water 156, 188, 256
- Iron 158, 188, 207
- Rain Water. *See Rain Water Goods*
- Ventilating ... *See Ventilation and Ventilators*

Pits 256
Pit Stones 33
Plant Houses. *See Horticultural Buildings*
Plaster, 56, 61, 68, 127, 128, 128D, 129, 206
- Adamant 127
- Chromolith 127
- Fibrous, 56, 61, 127, 128, 128D
- Of Paris 68
- "Pytho" 68
- Sirapite 68

Plate Closets ... ... *See Safes, &c.*
Plates, Iron 106, 108
Plating and Polishing 185
Plinths ... ... *See Bricks, Moulded*
Plumbers' Cocks ... ... *See Valves*
,, Fittings 214
Plumbing 154, 208
Porches or Porticoes ... 114, 123, 189
Portable Buildings *See Iron, &c., Buildings*
Portiere Door Rods 218
Portland Cement ... ... *See Cements*
Postal Handles *See Door and Lock Furniture*
Preservatives ... ... 243, 245 *See also Damp Proof Courses and Materials, also Paints*
- Iron 245
- Wood 243, 245
- "Sideroleum" 243
- Stone 245

Priming ... . *See Paints*
Pugging ... ... *See Sound Proofing*
Pulleys 187, 203
Pulpits 80, 82, 82B, 85, 86B
- Alabaster, Marble or Stone 80, 82, 82B, 85, 86B

Pumps and Pumping Machinery, 148, 203, 213, 214
- Animal Power 214
- Domestic 214
- Draining and Trench 203
- Electric 148
- Fire Service... 148
- Force... 214
- Steam 214
- Well 213, 214
- Wind... 214

Q

Quantities 334
Quarries or Squares, 41, 42, 45, 48, 49, 53

R.

Radiators. *See Heating, also Ventilation, &c.*
Railings ... *See Gates and Railings*
Rain Water Goods, 107, 188, 190, 207, 209
Ranges ... *See Kitcheners and Ranges*
Reflectors ... *See Daylight Reflectors*

PAGE

Registers. *See Fireplaces, Stoves, and Grates*
Reinforced Concrete. *See Artificial Stone or Concrete*
Reredoses... ... ... 82, 85
Restaurant and Café Tables *See Tables*
Revolving Shutters ... ... *See Shutters*
Ridge Cresting ... ... *See Crestings*
Ridge Tiles ... ... *See Tiles*
Road Stone or Metal 33, 75, 78
Roasting Ovens *See Kitcheners, Ranges, &c.*
Rolled Iron Joists *See Girders and Joists*
Roller Lights 235
Roman Cements... ... ... *See Cements*
Rooflights ... ... *See Skylights*
Roofs and Roofing, 57, 58, 63, 106, 107, 110, 112, 115, 119, 129, 140, 244B
Anderson's 57, 58
Asphalte ... ... *See Asphaltes*
Becker's Simplified 244B
Felt ... ... *See Felts*
Glass ... ... *See Glazing*
Iron or Steel, 106, 107, 110, 112, 115, 119, 140
"Mack" 129
Willesden Paper and Canvas ... 63
Ropes, Cords, and Chains 254

S.

Saddle Room Brackets and Fittings. *See Stable and Coach-House Fittings*
Safes 134, 136, 139, 143, 146
Sand 33
Sashes. *See Windows, Sashes and Frames*
Sash Fasteners 175, 182
Hopkinson's... 175
Meakin's 175
Sash Lifts and Openers ... 175, 182
,, Lines, Chains, &c., ... 187
,, Pulleys ... ... *See Pulleys*
,, Weights 187
Saw Guards 204
Scaffold Chains, Ropes, &c. 186
Screens 95, 105, 122
Church 95, 105
Sculpture... ... . *See Carving*
Seating ... ... 95, 96 *See also Furniture*
Church 95, 96
Setts, Kerbing ... ... *See Kerbing*
Shafts 94
Shedding and Sheds 112
Shelves and Fittings 87, 137
Shields 105
Shop Fronts and Fittings, 74, 81, 85, 86D, 88, 95, 220, 230
Show Cases 94, 95, 230
Shutters, 160, 164, 216, 220, 223, 224, 225, 226, 227
Revolving or Rolling, 160, 164, 216, 220, 223, 224, 225, 226, 227
"Sideroleum" Wood Preservative ... 243
Signs and Sign Boards, 105, 118A, 120, 124, 220, 230
Silicate Cloth, Cotton or Slag Wool, 56, 57, 59, 60, 61, 62
Sill Bars ... ... *See Weather Bars*
Silcs ... ... *See Shedding*
Silver Plating ... ... *See Plating*
Sinks 70, 87, 188, 206
Sinkstones 75
Skylight Gearing ... ... *See Gearing*
Skylights, Fanlights, &c. 107, 183, 233
Slag Wool. *See Silicate Cloth, Cotton, &c.*
Slate Masonry 71, 72, 87
Slates 34, 70, 71, 72, 87, 207

Slates (*continued*)— PAGE

Bangor 70, 72
Carnarvon 70, 71, 72
Cumberland... 70
Dinorwic 70, 72
Eureka 72
Green 70, 71, 72
Oakeley 72
Palmerston 72
Penrhyn 70, 72
Portmadoc 70, 71, 72
Precelly Green 71
Rhiwbach 71
Rustic 71
School 71
Sedan or Permanent 70
Welsh 70, 71, 72
Westmoreland 70
Slating 34, 70, 72
Sliding Door Fittings 142, 146
Sliding Doors ... ... *See Doors*
Sluice Cocks .. .. *See Valves*
Sound Proofing or Pugging, 56, 60, 61, 63, 127, 129
Speaking Tubes 254
Spokes 94
Springs & Spring Hinges. *See Door Checks, Springs & Spring Hinges*
Squeegees 229
Stable and Coach-House Fittings, 114, 165, 166, 187, 189, 190
Stables ... ... *See Iron, &c., Buildings*
Stained Glass ... ... *See Glazing*
Staircases, Steps and Landings, 74, 75, 78, 79, 80, 82, 82A, 82B, 84, 86, 94, 95, 96, 106, 111, 112, 113, 114, 115, 120, 124, 127, 189, 190, 215, 229, 230
Artificial Stone, Marble or Concrete 78, 79, 127
Brass... ... ... 215, 229
Circular or Spiral ...106, 111, 114, 115
Fire Escape... 111, 112, 113, 115, 189
"Granit" 127
Granolithic 79
Hayward's 111
India Rubber 229
Iron or Steel, 106, 111, 112, 113, 114, 115, 120, 124, 189, 190
Lyte's Metallic Woven 230
Metallic Woven 230
Stone or Marble, 74, 75, 80, 82, 82A, 82B, 84, 86
Wood 94, 95, 96
Stair Rods 215, 218
,, Treads ... *See Staircases, Steps, &c.*
Stallboard Lights 234, 235
Stallboards or Stall Plates 220
Stalls. *See Stable & Coach-House Fitting, also Seating*
Stanchions 107
Stand Posts ... ... *See Hydrants*
Statuary ... ... 82B, *See also Carving & Sculpture*
Steam Engines ... ... *See Engines*
,, Packing 55
Steel Buildings. ... *See Iron, &c., Buildings*
Steeple Work ... ... *See Chimneys, &c.*
Steps ... *See Staircases, Steps, &c.*
Stone and Stonework ... 75, 76, 80, 205
Artificial ... ...*See Artificial Stone*
Kentish Rag 76
Weldon 76
York 75, 205
Stoves ... *See Fireplaces, Stoves, &c.*
Strong Room Doors ... ... *See Doors*
,, ,, Fittings 137
,, Rooms 136, 146
Szerelmey's Waterproof Liquid ... 245

T.

PAGE

Tables 74, 194
Restaurant or Café 74
Tablets 81, 82, 82B
Memorial ... *See Memorial Brasses*
Tanks ... ... *See Cisterns and Tanks*
Taps ... ... *See Valves*
Tar Paving 66, 75
Tee Iron and Steel ... *See Iron and Steel*
Telephones 148, 251, 254, 255
Tents 221, 222
Terminals ... ... *See Finials*
Terra Cotta, 35, 36, 37, 38, 40, 45, 52B, 53, 54, 54A
Theatre Construction 108
Tiles. 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 52A, 52B, 53, 54, 54B, 70, 72, 74, 82B, 85, 87, 90, 91, 104, 127, 207, 232B
Adams' Creasing and Sill ... 39
Adamantine 51
Antique 51
Bridgwater 70
"Brit Opal" 52, 127
Broseley ... 46, 47, 48, 49, 70, 72
Corrugated 33
Embossed 53
Enamelled or Glazed 31
Encaustic 31, 52A, 53, 87
Finial ... ... *See Finials*
Fire 32
Flooring and Paving, 31, 36, 42, 51, 52A, 54, 90, 91
Flooring Squares or Quarries *See Quarries or Squares*
Fluted 51
Garden 33, 40, 44
Glass 52, 232B
"Grecian" 51
"Grip" 54B
Hall's... ... ... 54B
Hearth or Fireplace 31, 53, 54, 74
Hollybrook, D. R. 45
Interlocking 50, 51
"Leighswood" 33
Majolica 31, 87
Major's 50, 51
Marble 82B, 85, 104
Mosaic 31
Opal 232B
Opalite 52
Oven 50
Paving ... ...*See Tiles, Flooring*
Porcelain 52
Quarries ... *See Quarries or Squares*
Reading 35, 72
Ridge, 33, 36, 37, 42, 43, 48, 49, 50, 51, 53, 87
Ridge Ventilating ... *See Tiles, Ventilating*
Roofing, 33, 36, 37, 41, 46, 48, 49, 50, 51, 53, 87
Rosemary 70
Terminal ... ... *See Finials*
Tesselated 53
Ventilating 41
Venturene 232B
Welbeck 50
Windmill 51
Yorkshire 70, 72
Tiling 31, 34, 52, 70, 85, 127
Timber 93, 94, 96
Tin and Tin Plates 110
Tombs ... ... *See Monuments*
Tracings 334

PAGE

Traps & Gullies, 70, 190, 204, 205, 206, 210, 211
Anti-flooding 204, 205
Brown's 210
Couzens' 204
Dawson's 205
Dean's 210
Disconnecting or Intercepting, 204, 205, 211
"Glassarm" 205
Grease 210, 211
Kenon 211
Reversible 206
Treads ... ... *See Staircases, &c.*
Tree Guards 118B
Trench Covers 104
Tubes and Fittings 158
See also Pipes.
Turnery 93, 94

U.

Urinals ... 71, 74, 82B, 85, 87, 188, 190

V.

Valves and Cocks ... 156, 214, 256
Ball 214
Boiler 214
Low Pressure 214
Plumbers' 214
Vanes 105, 118A, 123, 141, 251, 254, 255
Varnishes... 246
Vases 33, 78, 81
Ventilation and Ventilators, 3, 135, 149, 150, 151, 152, 153, 154, 156, 165, 166, 190, 208, 256, 325
"Alliance"... 154
Archimedian 150
Boyle's 3, 325
"Champion" 150
Concealed Roof 151
Drain and Sewer or Soil Pipe, 151, 208
Electric 150, 152
Glass... 149

Ventilation, &c. (*continued*)— PAGE
Hayward's 154
Hobbs' 135
Inlet 3, 154, 325
Invisible Roof. *See Concealed Roof*
Louvre 149
Mica Silk, Flap or Valve... ... 154
Motor 152
Plenum 154
Propeller or Fan 150
Quadruple 151
Sheringham's 150, 154
Strong Room 135
Tobin 150
Venetian 149
Verandahs, 114, 118A, 123, 154, 189, 190
Vineries ... *See Horticultural Buildings*

W.

Wagons 212
Wall and Ceiling Coverings, 246, 246A, 246B, 246C, 246D, 247, 248, 249, 250, 250A, 250B
Anaglypta 246, 250A, 250B
Cameoid 246, 250A
Canvas 246
Canvas-Scrims 246
Cordelova 250A
Embossed or Relief 250A
Enamelled Metal 246D
Fibrous Plaster ... ... *See Plaster*
Flock Paper... ... ... 246, 250
Hand Printed 246, 250
Japanese 246
Leather 246
Lignomur 246, 250A
Lincrusta-Walton 250A, 250B
Machine Printed Paper 250
Metloid 246D
Salamander 250A, 250B
Silk Flock 250
Wall Papers, *See Wall and Ceiling Coverings*
Wall Ties... 186
Warming ... ... *See Heating*
Washing Troughs and Tubs *See Laundry Tubs, &c.*

PAGE
Wash Stands ... *See Lavatories, &c.*
Waste Preventing Cisterns *See Cisterns and Tanks*
Water Bars ... ... *See Weather Bars*
,, Carts 187
,, Level Indicators 148
,, Power 214
,, Proofing ... *See Damp Proof Courses & Materials*
,, Supply and Storage ... 156, 214
See also Hot Water Supply
,, Waste Preventers and Cisterns *See Cisterns & Tanks*
,, Wheels 214
Weather or Water Bars ... 95, 171
Weather Strips 228, 229
Well Pumps ... *See Pumps and Pumping Machinery*
Whiting 66
Wickets ... ... *See Gates, Railings, &c.*
Willesden Canvas, Paper, and Scrim 63
Window Blinds ... ... *See Blinds*
,, Fasteners. *See Sash Fasteners, Gearing, &c.*
Window Gearing and Openers. *See Gearing, &c.*
,, Guards 105, 120, 220
Window Sashes and Frames, 94, 95, 96, 107, 164, 173, 197, 198, 226
Iron and Steel, 107, 164, 173, 197 198, 226
Wind Power 214
Wine Bins 106
Winter Gardens. *See Horticultural Buildings*
Wire Work 122
Wood Block Flooring. *See Flooring and Paving*
Wood Carving ... ...*See Carving*
,, Paving. *See Flooring and Paving*
,, Preservatives 243
See also Paints
Siderolum 243
Wood Work ... ... *See Joinery*
Writing 216, 220
Wrought Iron ... ... *See Metal Work*

FIRMS SUPPLYING SOME OF THE LEADING GOODS.

PAGE

ARTIFICIAL STONE, MARBLE OR CONCRETE.

Adamant Co., Ld. ... 127
Hodkin & Jones, Ld. ... 77
Preston Granite Concrete Co., Ld. 78
Ridley, T. D., & Sons ... 75
Westminster Patent Flooring Co. 79
Wilkinson, W. B., & Co., Ld. ... 78
Witcombe, G., & Son ... 78
Wright, J., & Co. ... 131

ASPHALTES.

Bradshaw & Co. ... 64
Faldo, T., & Co., Ld. ... 64
International Asphalte Co. ...64, 71
Lawford & Co. ... 65
Limmer Asphalte Paving Co., Ld. 64
McNeill, F., & Co. ... 62
Pilkington & Co. ... 66
Smart, Josiah, & Son ... 66
Westminster Patent Flooring Co. 104

BATHS AND BATH FITTINGS.

Hall (Matthew) & Co. ... 213
Odling (Anselm) & Sons, Ld. ... 82B
Ritchie, Alex., & Co. ... 188
Sessions & Sons, Ld. ... 87
Walton, Gooddy & Cripps, Ld. ... 86
Wilkins, H. W., & Sons ... 74
Wontner-Smith (J.), Gray & Co. ... 155
Wright, Geo., Ld. ... 190

BELLS.

Carr, Charles, Ld. ... 215
Efficient Lighting & Heating Co. 148
Furse, W. J. ... 254
Gray, J. W., & Co. ... 255

Bells (*continued*)— PAGE

Lewis, J. ... 251
Warner, J., & Sons ... 214
Wontner-Smith (J.), Gray & Co. ... 155

BLINDS.

Applebee Bros. ... 217
Birmingham Blind Co. ... 218
Brady, G., & Co. ... 160, 220
Dean, J. ... 216
Francis, S. W., & Co., Ld. ... 220
Hall, J., & Sons ... 216
Hartley Bros. ... 225
Hodkinson & Co., Ld. ... 223
Holt, W. F. S. ... 224
Janes & Son ... 216
Kensington Window Blind Co. ... 219
Soper, J. ... 220
Steer, Thornborough & Co. ... 224
Thornborough, F. M., & Son ... 227
Williams, G. A., & Son ... 221, 222

BOILERS.

Attwood, J. ... 156
Gray, J. ... 156, 256
Hayward Bros. & Eckstein, Ld. ... 154
Warner, J., & Sons ... 214
Wontner-Smith (J.), Gray & Co. ... 155

BOLTS AND BARS.

Adams, R. ... 199
Leggott, W. & R., Ld. ... 182, 183
Smith & Turner ... 171

BRICKS.

Adamantine Clinker Works ... 32
Aldridge Colliery Co., Ld. ... 33
Bray, H., & Co. ... 32
Broad & Co., Ld. ... 207
Broadbent & Co. ... 70

Bricks (*continued*)— PAGE

Bursledon Brick Co. ... 34
Coles, Shadbolt & Co., Ld. ... 66
Collier, W. H. ... 33
Cooper, J. K., & Sons ... 36, 37
Dawson & Co., Ld. ... 34, 205
Edwards, J. C. ... 53
Ellis, Partridge & Co., Ld. ... 34
Gibbs & Canning, Ld. ... 40
Hollybrook Brick Co., Ld. ... 45
Leeds Fireclay Co., Ld. ... 54A, 54B
Madeley Wood Co. ... 49
Major, H. J. & C., Ld. ... 50
Sessions & Sons, Ld. ... 87
Watson, Nelson, Ld. ... 51
Wheatly & Co. ... 42, 44
Whitwick Colliery Co., Ld. ... 45
Wood, Jas. ... 76
Woolliscroft, G., & Son, Ld. ... 54

BRIDGES.

Bell, P., & Son ... 106
Fleming, P. & R., & Co. ... 107
Lift & Hoist Co. ... 115

CARVING AND SCULPTURE.

Elliott, S., & Sons, Ld. ... 95
Odling (Anselm) & Sons, Ld. ... 82B
Turpin's Parquet Floor, Joinery, & Wood Carving Co. ... 103
Walton, Gooddy & Cripps, Ld. ... 85
Wood Carving Co., Ld. ... 92

CASEMENT FASTENINGS & STAYS.

Adams, J., & Son ... 173
Adams, R. ... 199
Boobbyer, J. H., & Sons ... 175
Cartland, J., & Son, Ld. ... 176, 177
Leggott, W. & R., Ld. ... 182

PAGE

CASEMENTS AND FRAMES.

Cooper, H. W., & Co., Ld. 149
Gardiner, Sons & Co., Ld. 196
Gibbons, J. 173
Hayward Bros. & Eckstein, Ld. ... 198
Lucas, J. E., & Son 164, 226
Northwood, J. 107
Shaw & Carter... 186
Witchell & Co.... 105

CASTINGS.

Baldwins, Ld. 110
Gray, J. 256
Leeming Bar Foundry Co. 187
Northwood, J. 107

CEMENTS.

Adamant Co., Ld. 127
Broad & Co., Ld. 207
Coles, Shadbolt & Co., Ld. ... 66
Dawson & Co., Ld. 205
Greaves, Bull & Lakin, Ld. ... 67
Kaye & Co., Ld. 66
London Asbestos Co. 55
Nelson, C., & Co., Ld. 69
Preston Granite Concrete Co., Ld. 78
Wood Bros... 68

CHIMNEY PIECES AND MANTELS.

Blackler, A. W., & Sons, Ld. ... 80
Emley & Sons, Ld. 82
Fletcher, Russell & Co., Ld. ... 194
Hinchliff, G., & Son... 75
Irish Marble Co. 82
Moore, M. & R. 88
Parkstone Steam Joinery Co. ... 95
Ritchie, Alex., & Co. 189
Sessions & Sons, Ld. 87
Walton, Gooddy & Cripps, Ld. 85, 86
Wilkins, H. W., & Sons 74
Woolliscroft, G., & Son, Ld. ... 54
Wright, Geo., Ld. 190, 192

CHIMNEY POTS, CAPS, OR COWLS.

Broad & Co., Ld. 206
Broadbent & Co. 70
Cooper, J. K., & Sons... ... 36, 37
Edwards, J. C. 39
Gibbs & Canning, Ld. 40
Hollybrook Brick Co., Ld. 45
Howorth, J., & Co. 150
Quadruple Exhaust Ventilator Co. 151

CISTERNS & TANKS.

Baldwins, Ld. 110
Crapper, T., & Co., Ld. 211
Gray, J. 156
Hall (Matthew) & Co. 213
Sessions & Sons, Ld. 87
Williams, W. D. 71

PAGE

CLOSETS.

1. Water Closets—
Broad & Co., Ld. 206
Crapper, T., & Co., Ld. 211
Hall (Matthew) & Co. 213
Ritchie, Alex., & Co. 188
Warner, J., & Sons 214
Woolliscroft, G., & Son, Ld. ... 54
Wright, Geo., Ld. 190

2. Dry Closets—
Donkin, J. 203

COLUMNS.

Blackler, A. W., & Sons, Ld. .. 80
Cruickshank, R. D., & Co. 81
Dawson & Co., Ld. 80
Emley & Sons, Ld. 82
Hayward, W., & Sons, Ld. 119
Irish Marble Co. 82
Leeming Bar Foundry Co. 187
Northwood, J. 107
Odling (Anselm) & Sons, Ld. ... 82B
Walton, Gooddy & Cripps, Ld. 84, 86

CRANES.

Lift & Hoist Co. 160B
Lucas, J. E., & Son 164
Waygood, R., & Co., Ld. ... 162, 163
Wontner-Smith (J.), Gray & Co. .. 155

DAMP PROOF COURSES & MATERIALS.

(*See also Asphaltes.*)

Anderson, D., & Son, Ld. 57
Broad & Co., Ld. 206
King, J. A., & Co. ("Mack" Fireproofing Co.) 129
Lawford & Co.... 65
Limmer Asphalte Paving Co., Ld. ... 64
"Mack" Fireproofing Co. (*see King, J. A., & Co.*)
McNeill, F., & Co. 62
Pilkington & Co. 66
Szerelmey, N. C., & Co. 245
Willesden Paper & Canvas Works, Ld. 63
Williams, W. D. 71

DAYLIGHT REFLECTORS.

St. Pancras Ironwork Co., Ld. ... 235

DOOR AND LOCK FURNITURE.

Cartland, J., & Son, Ld. 177
Gardiner, Sons & Co., Ld. 123
Hobbs, Hart & Co., Ld. 178, 180, 181
Leggott, W. & R., Ld. 182, 183, 185

DOOR CHECKS, SPRINGS, AND SPRING HINGES.

Adams, J., & Son 173
Adams, R. 168, 199

Door checks, &c. (*continued*)— PAGE

Cartland, J., & Son, Ld. 176
Gerish, S., & Co. 171
Gibbons, J. 173
Leggott, W. & R., Ld. ... 182, 185
Smith, A., & Stevens 170
Smith & Turner 171
Winn, C., & Co.... 172

DOORS AND FRAMES.

Bell, P., & Sons 106
Elliott, S., & Sons, Ld. 95
Francis, S. W., & Co., Ld. 220
Gardiner, Sons & Co., Ld. ... 132, 133
Gibbons, J. 173
Hayward Bros. & Eckstein, Ld. ... 138
Hobbs, Hart & Co., Ld. ... 134, 136
Jennings, C., & Co. 96
Lift & Hoist Co. 115, 138
Lucas, J. E., & Son 164, 226
Mather & Platt, Ld. 139
Noakes, E. G. 94
Owen, J., & Sons, Ld... 94
Price, George, Ld. 141
St. Pancras Ironwork Co., Ld. ... 140
Skidmore, T., & Son 139
Tann, J. 146
Turpin's Parquet Floor, Joinery, and Wood Carving Co. 103
Whitfield's Safe & Door Co., 142, 143, 144, 145
Wright, Geo., Ld. 190

ELECTRIC LIGHTING AND FITTINGS.

Efficient Lighting & Heating Co.... 148
Furse, W. J. 254
Gray, J. W., & Co. 255
Wontner-Smith (J.), Gray & Co. ... 155

ENGINES.

Warner, J., & Sons 214

FAIENCE.

Carter & Co. 52B
Edwards, J. C. 53
Woolliscroft, G., & Son, Ld. ... 54

FELT.

Anderson, D., & Son, Ld. ... 57, 58
Jones, F., & Co. 56
McNeill, F., & Co. ... 59, 60, 61, 62
Pilkington & Co. 66

FINIALS.

Aldridge Colliery Co., Ld. ... 33
Broad & Co., Ld. 206
Collier, W. H. 33
Cooper, J. K., & Sons ... 36, 37
Doughty, J., & Son 48
Edwards, J. C.... 53
Furse, W. J. 254
Gardiner, Sons & Co., Ld. 123
Hill & Smith 118A
Lewis, J.... 251

Finials (*continued*)— PAGE

Madeley Wood Co. 49
Prestage & Co. 49
Watson, Nelson, Ld. 51
Wheatly & Co. 43
Witchell & Co. 105
Wright, Geo., Ld. 114

FIREPLACES, STOVES, AND GRATES.

Carter & Co. 52B
Clark, S., & Co. 157
Fletcher, Russell & Co., Ld. ... 194
Northwood, J. 107
Ritchie, Alex., & Co. 189
Wilkins, H. W., & Sons 74
Woolliscroft, G., & Son, Ld. ... 54
Wright, Geo., Ld. 190, 191

FIREPROOF FLOORS.

Adamant Co., Ld. 127
Hodkin & Jones, Ld. 130
Jones, F., & Co. 56
King, J. A., & Co. ("Mack" Fireproofing Co.) 129
Wilkinson, W. B., & Co., Ld. ... 78

FIREPROOF PARTITIONS.

Adamant Co., Ld. 127
Havelock Patent Plaster Partition Co. 128
Jones, F., & Co.... ... 128A, 128B, 128C
King, J A., & Co. ("Mack" Fireproofing Co.) 129
Wright, J., & Co. 131

FLOORING AND PAVING.

(*See also Fireproof Floors.*)

Acme Flooring & Paving Co. (1904), Ld. 98, 99
Adamant Co., Ld. 127
Adamantine Clinker Works ... 32
Blackler, A. W., & Sons, Ld. ... 80
Broad & Co., Ld. 206
Davies Bros. 64
Dawson & Co., Ld. 80
Duffy, W. 98, 99
Elliott, S., & Sons, Ld. 95
Ellis, Geary & Co. 90, 97
Emley & Sons, Ld. 82
Faldo, T., & Co., Ld. 64
Fenning & Co., Ld. 81
Geary, Walker & Co., Ld. ... 89, 100
Gibbard, J. R., & Son 101
Hayward Bros. & Eckstein, Ld. ... 165
Hinchliff, G., & Son 75
Hodkin & Jones, Ld. 77, 88
International Asphalte Co. 64, 71
Irish Marble Co. 82
Jennings, C., & Co. 96
Lawford & Co.... 65
Limmer Asphalte Paving Co., Ld. ... 64
Mosaic & Artistic Floors Co. ... 91
Odling (Anselm) & Sons, Ld. ... 82A
Owen, J., & Sons, Ld. 94
Pilkington & Co. 66
Preston Granite Concrete Co., Ld. 78

Flooring and Paving (*continued*)— PAGE

Riddiough, J., & Son, Ld. 75
Ridley, T. D., & Sons... 75
Smart, J., & Sons 66
Snewin, C. B. N., & Sons, Ld. ... 94
Stevens & Adams 102
Turpin's Parquet Floor, Joinery & Wood Carving Co. 103
Walton, Gooddy & Cripps, Ld. 84, 85, 86
Westminster Patent Flooring Co. 104
Wheatly & Co. 44
Whitehead, J., & Sons, Ld. 86C
Wilkins, H. W., & Sons 74
Wilkinson, W. B., & Co., Ld. ... 78
Williams, W. D. 71

FURNITURE.

Elliott, S., & Sons, Ld. 95
Parkstone Steam Joinery Co. ... 95

GAS ENGINEERING AND FITTINGS.

Acetylene Corporation of Great Britain, Ld. 147
Fletcher, Russell & Co., Ld. ... 194
Gardiner, Sons & Co., Ld. 124
Sun Gas Co., Ld. 148
Wontner-Smith (J.), Gray & Co. ... 155

GATES, RAILINGS AND FENCING.

Ashworth, J., & Co. 93
Bayliss, Jones & Bayliss, Ld. 116, 117
Bell, P., & Son... 106
Brooker, J. T. 104A, 104B
Carr, Charles, Ld. 215
Elliott, S., & Sons, Ld. 95
Fleming, P. & R., & Co. 107
Francis, S. W., & Co., Ld. 220
Gardiner, Sons & Co., Ld. 118, 123, 124, 133
Hayward Bros. & Eckstein, Ld. ... 115
Hayward, W., & Sons, Ld. 119
Hill & Smith 118A, 118B
Hobbs, Hart & Co., Ld. 134
Northwood, J. 107
Owen, J., & Sons, Ld.... 94
Ritchie, Alex., & Co. 189
Shaw & Carter 186
Steer, Thornborough & Co.... ... 224
Tann, J. 146
Witchell & Co.... 105
Worrall & Co.... ... ... 120, 121
Wright, Geo., Ld. 114, 190

GEARING AND FITTINGS FOR FANLIGHTS, SKYLIGHTS AND CASEMENTS.

(*See also Casement Fastenings and Stays.*)

Adams, J., & Son 173
Adams, R. 168, 199
Cartland, J., & Son, Ld. 176, 200, 201
Gardiner, Sons & Co., Ld. 202
Gibbons, J. 173
Leggott, W. & R., Ld. 183, 184, 185
Smith & Turner 171

PAGE

GIRDERS AND JOISTS.

Drew-Bear, Perks & Co., Ld. 108, 109
Fleming, P. & R., & Co. 107
Hayward, W., & Sons, Ld. 119

GLAZING AND GLASS.

British Challenge Glazing Co., Ld. 236
British Luxfer Prism Syndicate, Ld. 128, 233, 236
Chance Bros. & Co., Ld. ... 232A, 232B
Francis, S. W., & Co., Ld. 220
Grover & Co., Ld. 237
Hanwell's Patent Glazing Works 238
Hayward Bros. & Eckstein, Ld. ... 232
Helliwell & Co., Ld. 239
Heywood, W. H., & Co. 231
Luxfer Prism Syndicate, Ld. (The British) 128, 233, 236
Mellowes & Co., Ld. 240
Pilkington Bros., Ld. 234A, 234B, 234C, 234D

GRANITE AND GRANITE WORK.

Brown, A. A. 81
Cruickshank, R. D., & Co. 81
Emley & Sons, Ld. 82
Fenning & Co., Ld. 81
Garden & Co. 81
Lee, A., & Bros., Ld. ... 80A, 80B
Pethick Bros. 82
Walton, Gooddy & Cripps, Ld. ... 86
Whitehead, J., & Sons, Ld. 86A, 86D

HEATING.

Attwood, J. 156
Clark, S., & Co. 157
Emley & Sons, Ld. 154
Fletcher, Russell & Co., Ld. ... 194
Gibbs, J., & Son 152, 153
Gray, J. 156, 256
Hall (Matthew) & Co. 213
Hayward Bros. & Eckstein, Ld. ... 154
Howorth, J., & Co. 150
North British Plumbing Co., Ld. .. 208
Ritchie, Alex., & Co. 189
Wontner-Smith (J.), Gray & Co. ... 155
Wright, Geo., Ld. 190

HINGES.

(*See also Door Checks, Springs, and Spring Hinges.*)

Baldwin, Son & Co., Ld. 169
Boobbyer, J. H., & Sons 175
Couzens, G., & Sons 204
Gerish, S., & Co. 171

HORTICULTURAL BUILDINGS.

Gray, J. 256
Wright, Geo., Ld. 114

HOT WATER SUPPLY & HEATERS.

Gibbs, J., & Son... 153
Gray, J. 156
Wontner-Smith (J.), Gray & Co. ... 155

PAGE

INSPECTION OF MANHOLE COVERS.

Boobbyer, J. H., & Sons 175
Broad & Co., Ld. 207
Crapper, T., & Co., Ld. 211
Hall (Matthew) & Co. 213
Leeming Bar Foundry Co. 187
Northwood, J. 107
Wright, Geo., Ld. 190

IRON, WOOD, AND OTHER BUILDINGS.

Baldwins, Ld. 110
Blakeley, E. F., & Co. 106
Fleming, P. & R., & Co. 107
Motley & Green, Ld. 112

JOINERY.

Ashworth, J., & Co. 93
Elliott, S., & Sons, Ld. 95
Jennings, C., & Co. 96
Lucas, J. E., & Son 226
Noakes, E. G. 94
Owen, J., & Sons, Ld. 94
Parkstone Steam Joinery Co. ... 95
Scott Bros. 230
Turpin's Parquet Floor, Joinery, and Wood Carving Co. 103
Wood Carving Co., Ld. 92
Worseley, R. E., & Co. 95

KITCHENERS, RANGES, AND COOKING APPARATUS.

Fletcher, Russell & Co., Ld. ... 194
Ritchie, Alex., & Co. 188, 189
Wontner-Smith (J.), Gray & Co. ... 155
Wright, Geo., Ld. 190, 193

LAMPS AND LANTERNS.

Gardiner, Sons & Co., Ld. ... 123, 124

LAVATORIES AND FITTINGS.

Fletcher, Russell & Co., Ld. ... 194
Hall (Matthew) & Co. 213
Moore, M. & R. 88
Odling (Anselm) & Sons, Ld. ... 82B
Ritchie, Alex., & Co. 188
Sessions & Sons, Ld. 87
Walton, Gooddy & Cripps, Ld. ... 85
Warner, J., & Sons 214
Wilkins, H. W., & Sons 74
Williams, W. D. 71
Wright, Geo., Ld. 190

LIFTS, ELEVATORS AND HOISTS.

Brady, G., & Co. 160, 220
Bryden, J., & Sons 160
Efficient Lighting & Heating Co.... 148
Gardiner, Sons & Co., Ld. 161
Hodkinson & Co., Ld. 223

Lifts, Elevators, &c. (*continued*)— PAGE

Lift & Hoist Co. 160A, 160B
Lucas, J. E., & Son 164, 226
Smith, A., & Stevens 164A, 164B
Thornborough, F. M., & Son ... 227
Waygood, R., & Co., Ld. ... 162, 163
Wontner-Smith (J.), Gray & Co. ... 155

LIGHTNING CONDUCTORS.

Anderson, R., & Co. 253
Dixon & Corbitt, & R. S. Newall & Co., Ld. 254
Furse, W. J. 254
Gray, J. W., & Co. 255
Gray, J. W., & Son 252
Hall (Matthew) & Co... 213
Lewis, J.... 251

LIME.

Broad & Co., Ld. 207
Dawson & Co., Ld. 205
Greaves, Bull & Lakin, Ld.... ... 67
Kaye & Co., Ld. 66
Nelson, C., & Co., Ld. 69
Parry, H., & Sons, Ld. 68

LOCKS.

Boobbyer, J. H., & Sons 174
Hobbs, Hart & Co., Ld. 178, 179, 180, 181
Leggott, W. & R., Ld... 182, 183, 185

MARBLE AND MARBLE WORK.

Blackler, A. W., & Sons, Ld. ... 80
Dawson & Co., Ld. 80
Emley & Sons, Ld. 82
Fenning & Co., Ld. 81
Irish Marble Co. 82
Lee, A., & Bros., Ld. 80A, 80B
Moore, M. & R.... 88
Odling (Anselm) & Sons, Ld. 82A, 82B
Walton, Gooddy & Cripps, Ld. 83, 84, 85, 86
Whitehead, J., & Sons, Ld. 86A, 86B, 86C
Wilkins, H. W., & Sons 74

METAL WORK.

Bell, P., & Son... 106
Caston & Co., Ld. 122
Emley & Sons, Ld. 154
Furse, W. J. 254
Gardiner, Sons & Co., Ld. 123, 124, 196, 197
Gibbons, J. 173
Hill & Smith 118A
Shaw & Carter 186
Steer, Thornborough & Co. ... 224
Witchell & Co.... 105
Worrall & Co. 120

MOSAICS.

Carter & Co. 52B
Edwards, J. C. 53
Ellis, Geary & Co. 90
Emley & Sons, Ld. 82

Mosaics (*continued*)— PAGE

Fenning & Co., Ld. 81
Geary, Walker & Co., Ld. ... 89, 100
Hodkin & Jones, Ld. 88
Mosaic & Artistic Floors Co. ... 91
Turpin's Parquet Floor, Joinery and Wood Carving Co. 103
Westminster Patent Flooring Co. 79, 104

PAINTS, VARNISHES, &c.

Anderson, D., & Son, Ld. ... 243, 244
Chancellor, C., & Co.... ... ... 244A
Chappell & Payne 246
Szerelmey, N. C., & Co. 245

PANELLING.

Chappell & Payne 246
Elliott, S., & Sons, Ld. 95
Noakes, E. G. 94

PARQUET AND WOOD BLOCK FLOORING.

Acme Flooring & Paving Co. (1904), Ld. 98, 99
Duffy, W. 98, 99
Ellis, Geary & Co. 97
Geary, Walker & Co., Ld. ... 89, 100
Gibbard, J. R., & Son... 101
Jennings, C., & Co. 96
Lawford & Co. 65
Mosaic & Artistic Floors Co. ... 91
Stevens & Adams 102
Turpin's Parquet Floor, Joinery & Wood Carving Co. 103
Westminster Patent Flooring Co. 104
Wilkinson, W. B., & Co., Ld. ... 78

PARTITIONS OR DIVISIONS.

(*See also Fireproof Partitions.*)

Hartley Bros. 225
Hodkinson & Co., Ld. 223
Lucas, J. E., & Son 164, 226
Steer, Thornborough & Co. ... 224
Thornborough, F. M., & Son ... 227

PAVEMENT OR FLOOR LIGHTS.

British Luxfer Prism Syndicate, Ld. 233
Hayward Bros. & Eckstein, Ld. ... 234
Luxfer Prism Syndicate, Ld. (The British) 233
Northwood, J. 107
St. Pancras Ironwork Co., Ld. ... 235
Wright, Geo., Ld. 190

PIPE JOINTS AND CONNECTIONS.

Attwood, J.... 156
Broadbent & Co. 70
Ritchie, Alex., & Co. 188

PAGE

PIPES.

Attwood, J. ... 156
Broad & Co., Ld. ... 207
Broadbent & Co. ... 70
Collier, W. H. ... 33
Gibbs & Canning, Ld. ... 40
Gray, J. ... 256
Hall (Matthew) & Co. ... 213
Ritchie, Alex., & Co. ... 188
Sessions & Sons, Ld. ... 87
Stewarts & Lloyds, Ld. ... 158

PLASTER.

Adamant Co., Ltd. ... 127
Broad & Co., Ld. ... 206
Havelock Patent Plaster Partition Co. ... 128
Jones, F., & Co. ... 56, 128D
King, J. A., & Co. ("Mack" Fireproofing Co.) ... 129
McNeill, F., & Co. ... 61
Matthews, E., & Co. ... 68
Wood Bros. ... 68

PUMPS AND PUMPING MACHINERY.

Anglo-American Rope & Oakum Co. 203
Efficient Lighting and Heating Co. 148
Hall (Matthew) & Co... ... 213
Warner, J., & Sons ... 214

ROOFS AND ROOFING.

Anderson, D., & Son, Ld. ... 57, 58
Baldwins, Ld. ... 110
Bell, P., & Son... ... 106
Blakeley, E. F., & Co. ... 106
Chancellor, C., & Co.... ... 244B
Fleming, P. & R., & Co. ... 107
Hayward, W., & Sons, Ld. ... 119
King, J. A., & Co. ("Mack" Fireproofing Co.) ... 129
Lift & Hoist Co. ... 115
"Mack" Fireproofing Co. (*See King, J. A., & Co.*)
Motley & Green, Ld. ... 112
St. Pancras Ironwork Co., Ld. ... 140
Willesden Paper & Canvas Works, Ld. ... 63

SAFES.

Hobbs, Hart & Co., Ld. ... 134, 136
Skidmore, T., & Son ... 139
Tann, J. ... 146
Whitfield's Safe & Door Co. ... 143

SASH FASTENERS.

Boobbyer, J. H., & Sons ... 175
Adams, J., & Son ... 173
Leggott, W. & R., Ld. ... 182

SEATING.

(*See also Furniture.*)

Jennings, C., & Co. ... 96
Parkstone Steam Joinery Co. ... 95

PAGE

SHOP FRONTS & FITTINGS.

Brown, A. A. ... 81
Cruickshank, R. D., & Co. ... 81
Elliott, S., & Sons, Ld. ... 95
Fenning & Co., Ld. ... 81
Francis, S. W., & Co., Ld. ... 220
Garden & Co. ... 81
Moore, M. & R. ... 88
Parkstone Steam Joinery Co. ... 95
Scott Bros. ... 230
Walton, Gooddy & Cripps, Ld. ... 85
Whitehead, J., & Sons, Ld. ... 86D
Wilkins, H. W., & Sons ... 74
Worseley, R. E., & Co. ... 95

SHUTTERS.

Brady, G., & Co. ... 160, 220
Dean, J. ... 216
Francis, S. W., & Co., Ld. ... 220
Hartley Bros. ... 225
Hodkinson & Co., Ld. ... 223
Holt, W. F. S. ... 224
Lucas, J. E., & Son ... 164, 226
Steer, Thornborough & Co.... ... 224
Thornborough, F. M., & Son ... 227

SILICATE CLOTH, COTTON, OR SLAG WOOL.

Anderson, D., & Son, Ld. ... 57
Jones, F., & Co. ... 56
McNeill, F., & Co. ... 59, 60, 61, 62

SLATES.

Broad & Co., Ld. ... 207
Broadbent & Co. ... 70
Davies Bros. ... 71
Ellis, Partridge & Co., Ld. ... 34, 70
Matthews, E., & Co. ... 72
North Wales Slate Co. ... 72
Oakeley Slate Quarries Co., Ld. ... 72
Rhiwbach Slate Quarry Owners ... 71
Roberts, Adlard & Co. ... 72
Sessions & Sons, Ld. ... 87
Williams, W. D. ... 71

SLATING.

Broadbent & Co. ... 70
Ellis, Partridge & Co., Ld.... 34, 70
Matthews, E., & Co. ... 72
Roberts, Adlard & Co. ... 72

STABLE AND COACH HOUSE FITTINGS.

Hayward Bros. & Eckstein, Ld. ... 165
Leeming Bar Foundry Co. ... 187
Ritchie, Alex., & Co. ... 189
St. Pancras Ironwork Co., Ld. ... 166
Wright, Geo., Ld. ... 114, 190

STAIRCASES, STEPS, AND LANDINGS.

Adamant Co., Ld. ... 127
Bell, P., & Son ... 106
Carr, Chas., Ld. ... 215

Staircases, &c. (*continued*)— PAGE

Dawson & Co., Ld. ... 80
Elliott, S., & Sons, Ld. ... 95
Emley & Sons, Ld. ... 82
Gardiner, Sons & Co., Ld. ... 124
Hayward Bros. & Eckstein, Ld. ... 111
Hinchliff, G., & Son... ... 75
Irish Marble Co. ... 82
Jennings, C., & Co. ... 96
Lift & Hoist Co. ... 115
Lyte's Metallic Woven Stair-Tread Co., Ld. ... 230
Motley & Green, Ld. ... 112
Noakes, E. G. ... 94
Odling (Anselm) & Sons, Ld. 82A, 82B
Preston Granite Concrete Co., Ld. 78
Riddiough, J., & Son, Ld. ... 75
Ritchie, Alex., & Co. ... 189
St. Pancras Ironwork Co., Ld. 113
Sheath Bros. ... 229
Walton, Gooddy & Cripps, Ld. 84, 86
Westminster Patent Flooring Co. 79
Wilkins, H. W., & Sons ... 74
Witcombe, G., & Son ... 78
Worrall & Co. ... 120
Worseley, R. E., & Co. ... 95
Wright, Geo., Ld. ... 114, 190

STONE AND STONEWORK.

Blackler, A. W., & Sons, Ld. ... 80
Dawson & Co., Ld. ... 205
Hinchliff, G., & Son ... 75
Riddiough, J., & Son, Ld. ... 75
Weldon Stone ... 76
Wood, Jas. ... 76

TERRA COTTA.

Carter & Co. ... 52B
Collier, S. & E., Ld. ... 35
Cooper, J. K., & Sons ... 36, 37
Edwards, J. C. ... 38, 53
Gibbs & Canning, Ld. ... 40
Hollybrook Brick Co., Ld. ... 45
Leeds Fireclay Co., Ld. ... 54A
Whitwick Colliery Co., Ld. ... 45
Woolliscroft, G., & Son, Ld. ... 54

TILES.

Adamant Co., Ld. ... 52, 127
Adamantine Clinker Works ... 32
Aldridge Colliery Co., Ld. ... 33
Broad & Co., Ld. ... 207
Broadbent & Co. ... 70
Broseley Tile Makers' Association 46, 47
Carter & Co. ... 52A, 52B
Chance Bros. & Co., Ld. ... 232B
Collier, S. & E., Ld. ... 35
Collier, W. H. ... 33
Cooper, J. K., & Sons ... 36, 37
Doughty, J., & Son ... 48
Edwards, J. C. ... 39, 53
Ellis, Geary & Co. ... 90
Ellis, Partridge & Co., Ld. ... 34, 70
Exley, W., & Sons ... 48
Gibbs & Canning, Ld. ... 40
Griffiths, W. ... 52
Hollybrook Brick Co., Ld. ... 45
Leeds Fireclay Co., Ld. ... 54B
Madeley Wood Co. ... 49
Major, H. J. & C., Ld. ... 50, 51
Malkin Tile Works Co., Ld. ... 31

Tiles (*continued*)— PAGE

Mosaic & Artistic Floors Co. ... 91
Odling (Anselm) & Sons, Ld. ... 82B
Prestage & Co. 49
Roberts, Adlard & Co. 72
Sessions & Sons, Ld. 87
Walton, Gooddy & Cripps, Ld. ... 85
Watson, Nelson, Ld. 51
Westminster Patent Flooring Co. 104
Wheatly & Co. ... 41, 42, 43, 44
Wilkins, H. W., & Sons 74
Woolliscroft, G., & Son, Ld. ... 54

TILING.

Adamant Co., Ld. 52, 127
Broadbent & Co. 70
Ellis, Partridge & Co., Ld. ... 34, 70
Griffiths, W. 52
Malkin Tile Works Co., Ld. ... 31
Walton, Gooddy & Cripps, Ld. ... 85

TIMBER.

Ashworth, J., & Co. 93
Jennings, C., & Co. 96
Owen, J., & Sons, Ld. 94
Snewin, C. B. N., & Sons, Ld. ... 94

TRAPS AND GULLIES.

Broad & Co., Ld. 206
Broadbent & Co. 70
Couzens, G., & Sons 204
Crapper, T., & Co., Ld. 211
Dawson & Co., Ld. 205
Edwards, J. C. 210
Wright, Geo., Ld. 190

PAGE

TUBES AND FITTINGS.

(*See also Pipes.*)

Stewarts & Lloyds, Ld. 158

URINALS.

Odling (Anselm) & Sons, Ld. ... 82B
Ritchie, Alex., & Co.... 188
Sessions & Sons, Ld. 87
Walton, Gooddy & Cripps, Ld. ... 85
Wilkins, H. W., & Sons 74
Williams, W. D. 71
Wright, Geo., Ld. 190

VALVES AND COCKS.

Attwood, J. 156
Gray, J. 256
Warner, J., & Sons 214

VENTILATION & VENTILATORS.

Attwood, J. 156
Boyle, R., & Son 3, 325
Cooper, H. W., & Co., Ld. 149
Emley & Sons, Ld. 154
Gibbs, J., & Son 152, 153
Gray, J. 156, 256
Hayward Bros. & Eckstein, Ld. 154, 165
Hobbs, Hart & Co., Ld. 135
Howorth, J., & Co. 150

Ventilation, &c. (*continued*)— PAGE

North British Plumbing Co., Ld. 208
Quadruple Exhaust Ventilator Co. 151
St. Pancras Ironwork Co., Ld. ... 166
Wright, Geo., Ld. 190

WALL AND CEILING COVERINGS.

Chappell & Payne 246
Essex & Co. ... 246A, 246B, 246C, 246D
Jeffrey & Co. 247, 248, 249, 250
Latto, A. F., & Co. 246
Wall Paper Manufacturers, Ld. 250A, 250B
Weeden, C., & Co. 246

WATER SUPPLY AND STORAGE.

(*See also Hot Water Supply.*)

Gray, J. 156
Warner, J., & Sons 214

WINDOWS, SASHES AND FRAMES.

Elliott, S., & Sons, Ld. 95
Gardiner, Sons & Co., Ld. 197
Gibbons, J. 173
Hayward Bros. and Eckstein, Ld.... 198
Jennings, C., & Co. 96
Lucas, J. E., & Son 164, 226
Noakes, E. G. 94
Northwood, J. 107
Owen, J., & Sons, Ld. 94

Index to Information apart from Catalogue.

PAGE

A.

ADDRESS REGISTER of Manufacturers and Merchants 7
,, ,, of Architects 335
,, ,, of Ecclesiastical Surveyors .. 356
,, ,, of Builders 357
Altar or Lord's Table 293
,, Rails 293
Angle and T Iron 293
Architects' Charges 293
ARCHITECTURAL SOCIETIES 329
Areas 293
Aspect 294
Asphalte 294
Avoirdupois Weight 326

B.

Bars, Iron... 294
Baths and Washhouses 294
Turkish 323
Billiard Rooms 295
Boiling Point 295
Bolts and Nuts, Iron 295
Bricks, Sizes of 295
Brickwork 295
Buildings, Height of 308
Stable 321
Temporary 323

C.

Cast Iron Columns, Table of 298
Tests for 308
Cattle Sheds 295
Cements ... ... (*See Limes, Cements, &c.*)
Chains, Sale Load of 295
Chancels 295
Chimneys and Flues 295
Chimney Shafts 295
Church Seating 321
Churches, Musical Requirements of 313
Circles, Circumferences and Areas of 298
Properties of 295
Cisterns and Tanks 298
Coal, Storage Space 298
,, Weight of 298
Coke 298
Columns, Weight of 298
Concert Rooms 298
Concrete 298
Conditions for Building Contracts 299
Copper 301
Cow Houses 301
Cubic Measure 326

PAGE

D.

Dairies 301
Dangerous and Neglected Structures 301
,, Businesses 301
Decimal Equivalents 326
District Surveyors, List of 302
,, ,, Fees (London Building Act, 1894) ... 302
,, ,, ,, (under L.C.C. Bye-laws) ... 303
Drainage 303

E.

Earth, Rock, &c., Weight of... 304
Natural Slope of 304
Electric Engineering 304
,, Lighting 305
Excavation 305

F.

Fees Payable to District Surveyors... 302
Felt 305
Fire Escape 305
,, Resisting Materials 305
Flooring 305
Floors 305
Weights they should carry 305
Fonts 306
Foundations 306
Frontages 306

G.

Gas Fitting 306
Girders and Joists 306
Wood 305
Glazing 307

H.

Habitable Rooms 307
Hay, Weight of... 307
Hearths 307
Heating 307
Height of Buildings 308
Hoardings 308
Hoop Iron 308
Hospitals... 308
Hot Water Supply 308

I.

Iron, Angle and T 293
,, Bars 294
,, Bolts and Nuts 295
,, Buildings 308
Iron, Hoop 308
Preservation of 308
Tests of Quality 308

PAGE

L.

Land Measure ... 326
Lead, weight to be used for different purposes ... 317
LEGAL DECISIONS ... 285—292
,, ,, Index of, 1903—1906 ... 285
Lengths of a foot in Different Countries ... 326
,, Mile ,, ,, ... 326
Lightning Conductors ... 308
Limes, Cements, Plasters, &c. ... 309
Lineal Measure ... 326
Scotch ... 326
Lintels ... 309
Liquid and Capacity Measure ... 326
London Building Acts (Amendment) Act ... 309

M.

Metals, Expansion of, by Heat ... 313
Tenacity of ... 313
Weight of ... 313
Mortars and Cements ... 313
Musical Requirements of Churches ... 313

N.

Noxious Businesses ... 314

O.

Open Spaces ... 314

P.

Painting ... 314
Paperhanging ... 314
Parsonages ... 314
Partitions ... 315
Party Structures ... 315
Piers, safe load of ... 316
Piles ... 316
Pillars, safe load of ... 316
Pipes, weight of ... 315, 316
Plastering ... 316
Plasters ... 309
Plumbing ... 317
Portland Cement ... 309
PRICE BOOK ... 267
Projections ... 317
Public Baths ... 294
,, Buildings ... 317
Pulpits ... 317
Pumps ... 317
Purlins ... 318

R.

Ready Reckoner Table ... 317
Retaining Walls ... 318
Rolled Steel Joists and Girders, Table of ... 306, 322
Roofs, Table of Scantlings ... 318
Weight of Materials ... 318

S.

Scantlings, Table of ... 318
Schools, Public Elementary ... 318

PAGE

Scotch Measures ... 326
Seating, Church, &c. ... 321
Separation of Buildings ... 321
Sheds ... 321
Sinks ... 321
Slates ... 321
Slaughter Houses ... 321
Solid Measure ... 326
Square Measure ... 326
Scotch ... 326
Stable Buildings ... 321
Staircases, Passages and Exits ... 322
Stairs ... 322
Stancheons, Safe Load of ... 322
Statute and Customary Measurement of Perches and Acres 326
,, ,, ,, Links, Perches, and Chains ... 326
Straw, Weight of ... 322
Streets ... 322
Students, Information for ... 329—334

T.

Tables ... 326—328
Telegraphic Addresses ... 12
Temporary or Special Buildings, Hoardings, &c. ... 323
Thatch Roofs ... 323
Tie and Suspension Rods ... 323
Timber, Durability of ... 323
Scantlings of Fir ... 323
Weights of ... 323
Troy Weight ... 326
Turkish Bath ... 323

U.

Uniting Buildings ... 323

V.

Ventilation ... 324
Vestries ... 324

W.

Wall Papers, Measurement Table of ... 314
Walls ... 324
Water Closets ... 326
,, Service ... 326
Warming ... 305
Weight of Coal ... 299
,, Hay ... 305
,, Metals ... 313
,, Straw ... 322
,, Timber ... 323
,, Zinc ... 328
Weights and Measures ... 326
Wells, Contents of ... 327
Wire Gauge ... 327
Weight of ... 328
Workhouses ... 328

Z.

Zinc, Weight of ... 328

THOSE WHO

Kindly mention "The Contractors' Compendium" as the source of their information, when communicating with the Firms represented therein, render an important service in enabling us to secure the fuller support of Manufacturers, &c., thus making the Book more comprehensive and valuable as a Work of Reference.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section A.

Bricks, Terra Cotta, &c. Hanging and Roof Tiles. Flooring and Wall Tiles and Faience.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Adamant Co., Ld.	52
Adamantine Clinker Works	32
Aldridge Colliery Co., Ld.	33
Bray, H., & Co.	32
Broseley Tile Makers' Association	46, 47
Bursledon Brick Co.	34
Carter & Co.	52A, 52B
Collier, S. & E., Ld.	35
Collier, W. H.	33
Cooper, J. K., & Sons	36, 37
Dawson & Co., Ld.	34
Doughty, John, & Son	48
Edwards, J. C.	38, 39, 53
Ellis, Partridge & Co., Ld.	34
Exley, W., & Sons	48
Gibbs & Canning, Ld.	40
Griffiths, William	52
Hollybrook Brick Co., Ld.	45
Leeds Fireclay Co., Ld.	54A, 54B
Madeley Wood Co.	49
Major, H. J. & C., Ld.	50, 51
Malkin Tile Works Co., Ld.	31
Prestage & Co.	49
Watson, Nelson, Ld.	51
Wheatly & Co.	41—44
Whitwick Colliery Co., Ld.	45
Woolliscroft, G., & Son, Ld.	54

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The greatest care is taken in the selection. washing, and mixing of the Clay; and in the thorough burning of the Goods.

Ridges and Finials

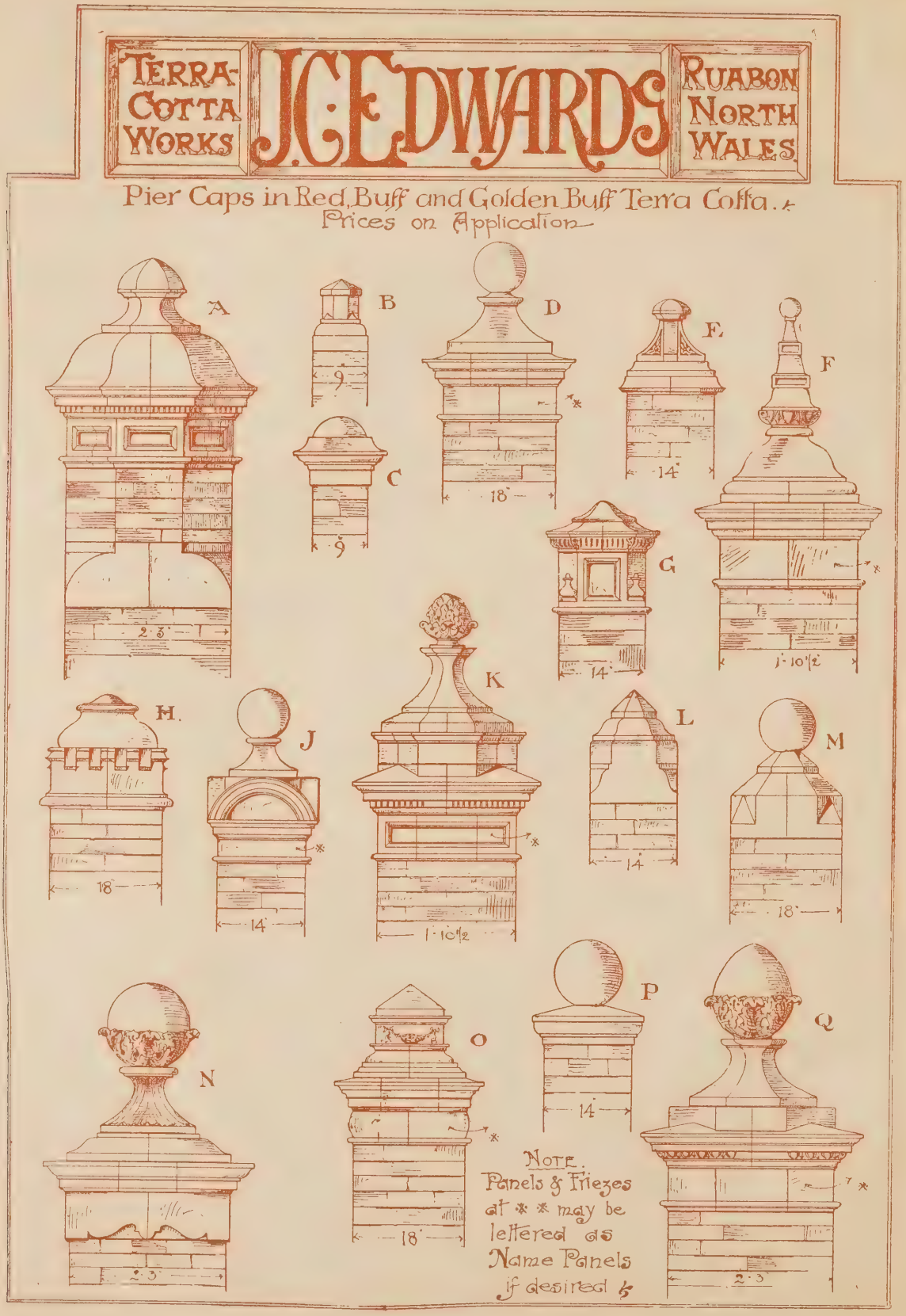
have always been, and are now, our Speciality, but a THOROUGHLY GOOD HAND-MADE PRESSED FACING BRICK is now being made from a new bed of exceptionally fine Clay—a brick capable of sustaining great weight, non-absorbent, with sharp arrises, good shape, and colour.

To meet the keen competition in this, as in all other manufactures, we have modified our prices wherever we have found it possible to do so, without in any way detracting from the quality or finish of the Goods.

Complete Catalogue with Prices on application.

Full-Size Drawings and Sections supplied if desired.

TELEPHONE NOS.
OFFICES, 24; WORKS, 27.


TERRA-COTTA WORKS
J.C.EDWARDS
RUABON NORTH WALES
Pier Caps in Red, Buff and Golden Buff Terra Cotta.
Prices on Application
A
B
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D
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2·3
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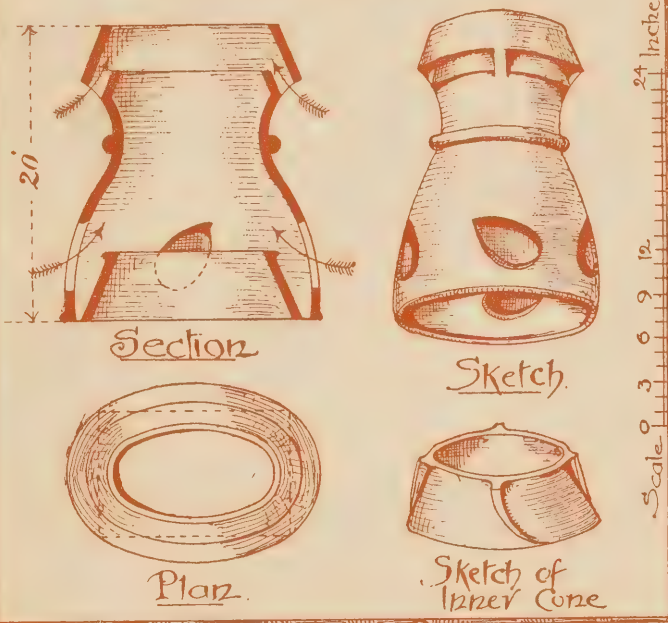
14
2·3
NOTE.
Panels & Friezes at * * may be lettered as Name Panels if desired

TERRA-COTTA WORKS.

J. C. EDWARDS

RUABON NORTH WALES.

BARHAM'S Patent smoke preventing Chimney Pot.



This Chimney Pot has been found unequalled for stopping Chimneys from smoking. It's action will be readily understood by a glance at the Sketch. It is simple, efficient, cannot get out of order and is the cheapest pot of its kind in the market. By its use an economy in fuel is effected as it induces a current of air up the Chimney.

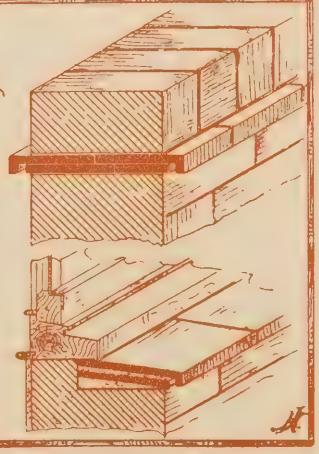
— PRICE. 8/6 EACH. —

Packed and put on Rail.

Percy Adams' Creasing and Sill Tile

These Tiles form an excellent throating for keeping wet off a wall and for cheap Sills. They make a neat and clean finish at very little extra cost over ordinary creasing tiles: They protect the cement joint, are much harder being made of practically non-porous material, in two qualities, viz. Ordinary quarry and Adamantine quarry. Angle tiles made to match the straight.

PRICES ON APPLICATION



TELEGRAMS: "GIBBS CANNING, TAMWORTH."
TELEPHONE: 0197.

SALT GLAZED PIPES and BRICKS for Sewerage Works.

CHIMNEY TOPS. GARDEN EDGING.
WHITE ENAMELLED BRICKS.
AIR BRICKS.
FIRE GOODS.

GIBBS & CANNING, LTD.,
Glascote Works, TAMWORTH.

LONDON OFFICE:
340 GRAY'S INN ROAD.
TELEPHONE: 9023 CENTRAL.

ARCHITECTURAL TERRA-COTTA

VITREOUS
GLAZED TERRA-COTTA
IN VARIOUS COLOURS.

SAMPLES ON
APPLICATION.

Estimates given from Architects' Designs & Specifications.

The whole of the **Terra Cotta** for the Natural History Museum, South Kensington, and the interior of the Victoria Law Courts, Birmingham, supplied by GIBBS & CANNING. Other examples of our work may be seen in Manchester, York, Preston, Brighton, Maidstone, Bristol, Portsmouth, Yarmouth, Cambridge, Bromley, Burton, Birmingham, and many other important places.

ALL GOODS ARE MADE IN BLUE, RED, BROWN, AND BUFF COLOURS.

Telegraphic Address: "WHEATLY, TRENTVALE."

WHEATLY & CO.,

Registered Trade Mark "TRITON."

Springfield Tileries, NEWCASTLE, STAFFS.

The Works are situated in North Staffordshire, so justly celebrated for its fine Marl deposits, containing peroxide of iron, which, fluxing during the process of firing, gives that impervious body so well-known as Staffordshire Blue.

The Red and Buff Goods are made from carefully-selected Marls, of dense and Adamantine character, and are of great durability.

Roofing Tiles can be supplied in Blue, Red, or any shade of Brown or Brindled, and will be found extremely durable, resisting all influence of the weather and chemical action of the atmosphere.

We are makers of a superior quality of SAND-FACED ROOFING TILES, Hand-made and Pressed.

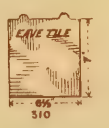
All our goods are made in the old-fashioned way by hand, whether pressed or dressed, our belief being that goods made by hand with plastic clay are infinitely superior in durability to machine-made articles.

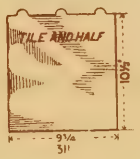
We have registered the word **"TRITON,"** and our Red Roofing Tiles will bear this trade mark.

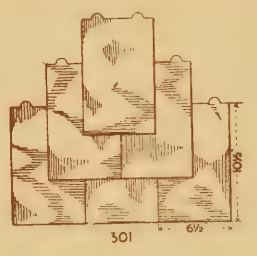
ROOFING TILES.

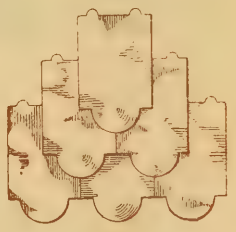
302

303





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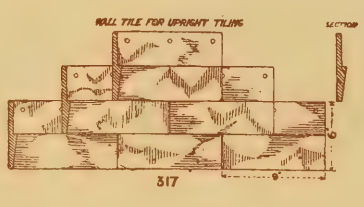

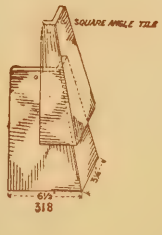

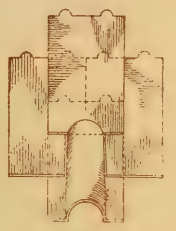

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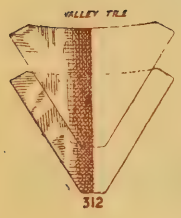

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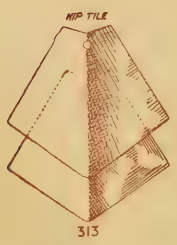
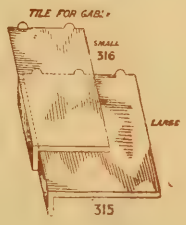


313

	Red or Brown.	Blue.	
No. 301	37/6	40/-	per 1,000
,, 302, 303, 305	40/-	42/6	,, ,,
,, 310, 310A	37/6	40/-	,, ,,
,, 311	75/-	80/-	,, ,,
,, 312	3¼d.	3¼d.	each.
,, 313	3¾d.	3¾d.	,,
,, 314	3½d.	3½d.	,,
,, 315	3d.	3d.	,,
,, 318	3½d.	3½d.	,,
,, 317	50/-	—	per 1,000



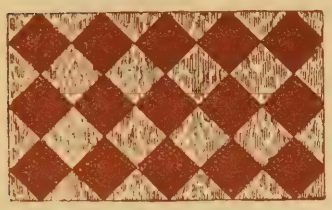
315

WHEATLY & Co., Springfield Tileries, Newcastle, Staffs.

ALL GOODS ARE MADE IN BLUE, RED, BROWN, AND BUFF COLOURS.

FLOORING TILES.

No. 1



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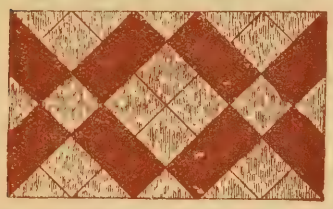
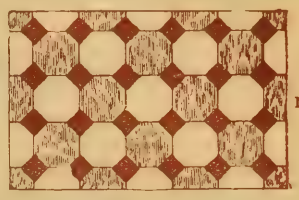


No. 3

No. 9



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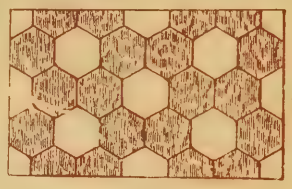


PRESSED ORDINARY QUALITY.

REGISTERED TRADE MARK.

		Red & Blue.	Buff.	
4×4×⅞	QUARRIES,	27/6	30/-	per 1,000
6×6×1	,,	37/6	42/6	,, ,,
9×9×1¼	,,	95/-	105/-	,, ,,
9×9×1½	,,	110/-	130/-	,, ,,
12×12×1½	,,	250/-	300/-	,, ,,

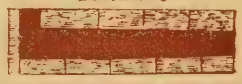
PRESSED CROWN QUALITY.

		Red & Blue.	Buff.	
4×4×⅞	QUARRIES,	32/6	37/6	per 1,000
6×6×1	,,	47/6	52/6	,, ,,
7½×7½×1⅛	,,	65/-	75/-	,, ,,
9×9×1¼	,,	105/-	120/-	,, ,,

PRESSED DOUBLE-CROWN QUALITY.

		Red & Blue.	Buff.	
4×4×⅞	QUARRIES,	40/-	45/-	per 1,000
6×6×1	,,	60/-	70/-	,, ,,
9×9×1¼	,,	120/-	140/-	,, ,,
6×6×1	HEXAGON,	70/-	80/-	,, ,,
6×6×1	OCTAGON,	90/-	100/-	,, ,,
2⅛×2⅛×1	DOTS,			
6×4×1	STRIPS,	40/-	45/-	,, ,,
6×3×1	,,	35/-	40/-	,, ,,
6×2×1	,,	27/6	32/6	,, ,,
6×1½×1	,,	22/6	27/6	,, ,,

BORDERS



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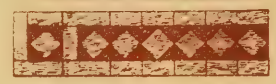
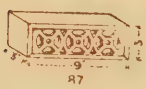
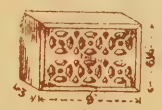


No. 24

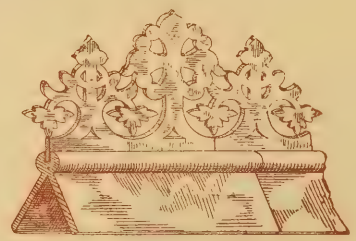
AIR BRICKS.

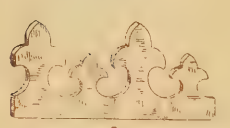


No. 87	3d.	each.
,, 88	3d.	,,
,, 89	6d.	,,
,, 90	1/-	,,
,, 91	3/6	,,

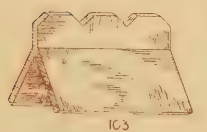


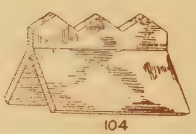
GROVED RIDGE ORNAMENTS.

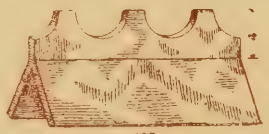


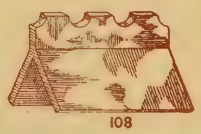


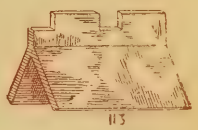
FAST TOP RIDGES.

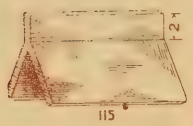


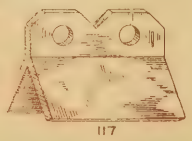




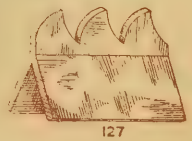


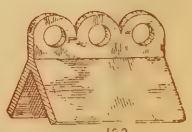






No. 1	2/6 each.	No. 103	6d. each.
,, 2	1/2 ,,	,, 104	6d. ,,
,, 4	1/1 ,,	,, 108	6d. ,,
,, 8	10d. ,,	,, 113	6d. ,,
,, 11	10d. ,,	,, 115	5d. ,,
,, 17	1/1 ,,	,, 117	7d. ,,
,, 18	1/2 ,,	,, 122	7d. ,,
		,, 127	7d. ,,
		,, 160	1/- ,,

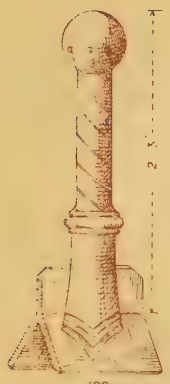




WHEATLY & Co., Springfield Tileries, Newcastle, Staffs.

ALL GOODS ARE MADE IN BLUE, RED, BROWN, AND BUFF COLOURS.

RIDGE FINIAL.



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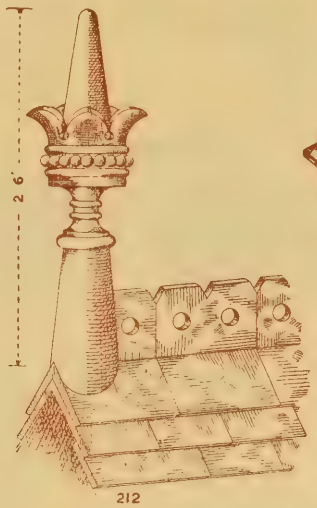
214



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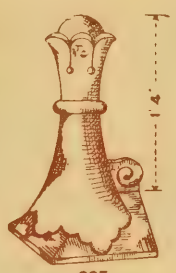

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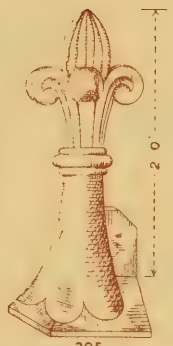

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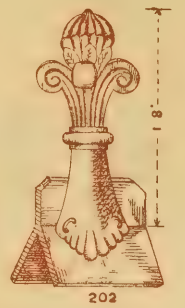

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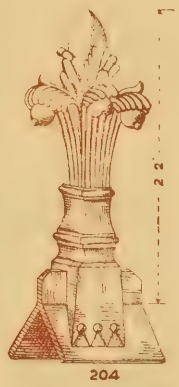
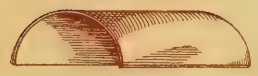
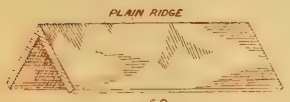


204

No. 198	7/6 each		No. 212	10/6½ each.	
,, 202	7/6	,,	,, 214	5/-	,,
,, 204	15/-	,,	,, 223	5/-	,,
,, 205	9/-	,,			

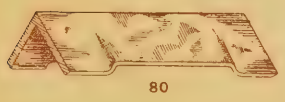
RIDGE TILES.

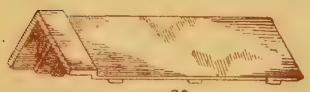

HALF ROUND


PLAIN RIDGE
60

CAPPED RIDGE
61

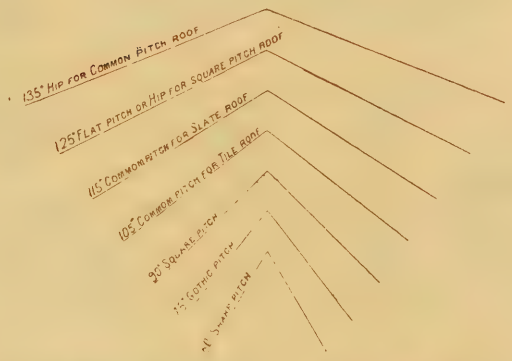
WEAVING SHED RIDGE
65

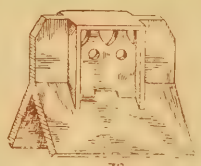

80


82

84

DIAGRAM SHEWING PITCH OF RIDGE TILES




79

86

Half-round 3½d. each.

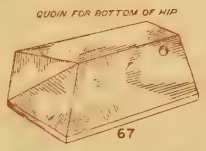
No. 60	6in. wings		3d.	each.	No. 80	7d.	each.
,, 61	,,	,,	3½d.	,,	,, 81	1/-	,,
,, 62	,,	,,	5d.	,,	,, 82	1/-	,,
,, 63	7in.	,,	7d	,,	,, 83	1/6	,,
,, 64	,,	,,	7d.	,,	,, 84	2/-	,,
,, 65	7 × 5in.		4d.	,,	,, 86	3/-	,,
,, 66 & 67	as two Ridges.				,, 79	2/6	,,

ROLLED RIDGE
62

ROLLED CAPPED RIDGE
63

GROOVED RIDGE
64

QUOIN FOR TOP OF HIP
66


QUOIN FOR BOTTOM OF HIP
67

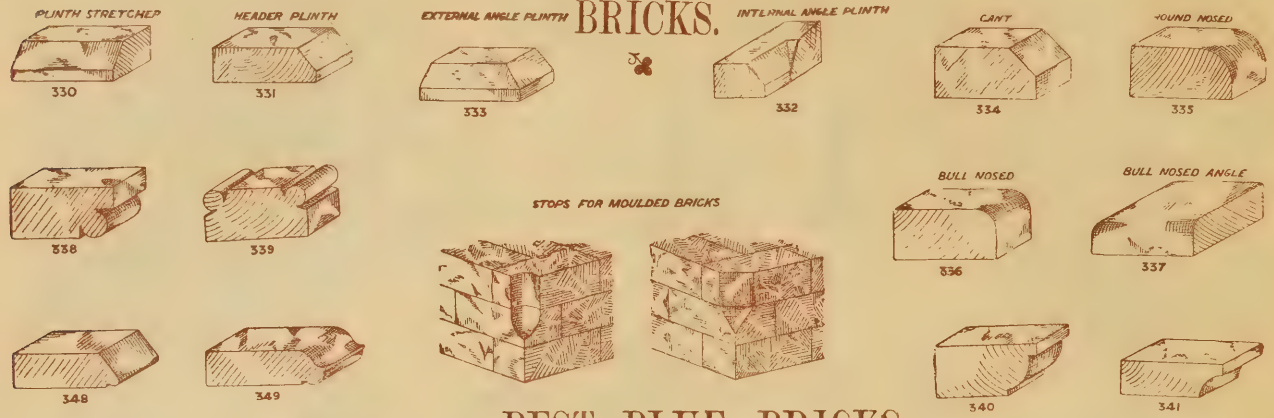
81

83

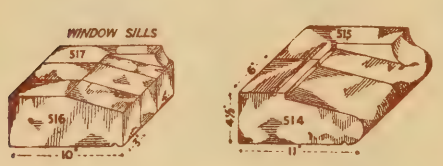
WHEATLY & Co., Springfield Tileries, Newcastle, Staffs.

ALL GOODS ARE MADE IN BLUE, RED, BROWN, AND BUFF COLOURS.

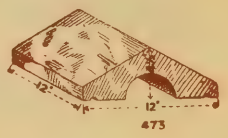
BRICKS.



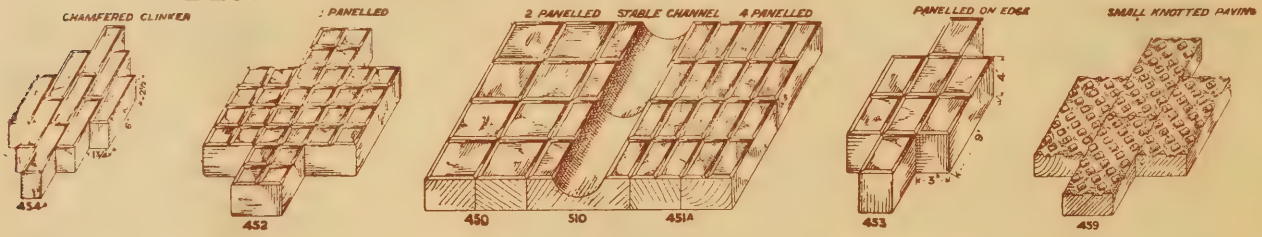
BEST BLUE BRICKS.



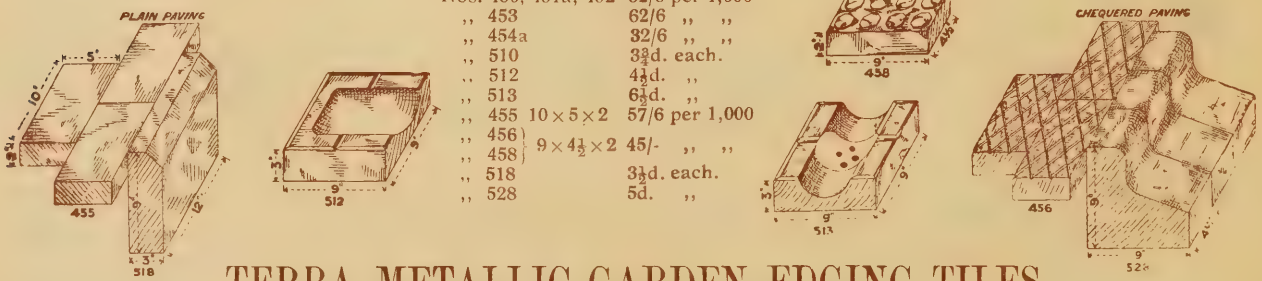
Nos.	330, 331	65/- per 1,000
,,	332, 333	1½d. each
,,	334, 335, 336	65/- per 1,000
,,	338, 340, 341	2d. each
,,	514	3d. ,,
,,	515	4d. ,,
,,	516	1½d. ,,
,,	517	2d. ,,
,,	473	4½d. ,,
9 × 4½ × 3 BUILDING		60/- per 1,000



BLUE VITRIFIED STABLE PAVING AND KERB BRICKS.

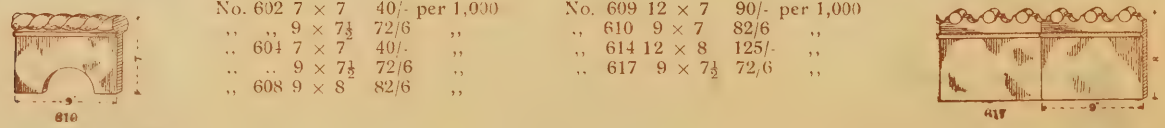


Nos.	450, 451a, 452	62/6 per 1,000
,,	453	62/6 ,, ,,
,,	454a	32/6 ,, ,,
,,	510	3¾d. each.
,,	512	4½d. ,,
,,	513	6½d. ,,
,,	455 10 × 5 × 2	57/6 per 1,000
,,	456 } 9 × 4½ × 2	45/- ,, ,,
,,	458 }	
,,	518	3½d. each.
,,	528	5d. ,,



TERRA METALLIC GARDEN EDGING TILES.

No.	602	7 × 7	40/- per 1,000	No.	609	12 × 7	90/- per 1,000
,,	,,	9 × 7½	72/6 ,,	,,	610	9 × 7	82/6 ,,
,,	604	7 × 7	40/- ,,	,,	614	12 × 8	125/- ,,
,,	,,	9 × 7½	72/6 ,,	,,	617	9 × 7½	72/6 ,,
,,	608	9 × 8	82/6 ,,				



HOLLYBROOK BRICK CO. Ltd.

Chester Park, Kingswood, Bristol.

Secretary, P. SEATON JONES. Telephone, 27 Kingswood. Telegrams, "Hollybrook, Kingswood, Glos."

MANUFACTURERS OF

Hollybrook Red Pressed Facing Bricks.
Hollybrook Buff Pressed Facing Bricks.
Hollybrook Brindle Bricks.
Hollybrook Fire Bricks.
Hollybrook Vitrified Bricks.
Hollybrook Stable Bricks.
Hollybrook D.R. Tiles, Crease, Chimney Pots, Tabling Terra-Cotta.
Hollybrook Arch, Culvert, Radiated Bricks, etc., etc.

The Name HOLLYBROOK is a Guarantee as to Quality.

Manufacturers of The Celebrated

"WHITWICK" Red, White, and Buff Pressed and Wire-Cut . . .

FACING BRICKS.

RED SAND STOCK FACINGS.

FLOOR QUARRIES, In Red or Buff.

Whitwick Colliery Co., Ltd.,
COALVILLE, Near LEICESTER.

Specially Made

SEWER BRICKS.

As supplied to
The L.C.C., Derby, and Other Corporations.

TERRA COTTA,

- - IN RED, BUFF, TAWNY, AND GREY. - -

Contractors to the London County Council.

Builders' Announcements,

Commencing on page 347, showing the class of work various Building Firms are accustomed to undertake, are a valuable guide to Architects when placing contracts for the erection of Buildings, &c.

IMPORTANT NOTICE.

BROSELEY TILES.

In consequence of numerous persons representing themselves as Manufacturers of the "Celebrated Broseley Roofing Tiles," we, the undersigned Firms, beg to inform the Public that we are the only Manufacturers of Genuine Broseley Tiles, the seam of clay from which they are made being only found at Broseley, Shropshire, from which place they derive their name.

Broseley Tileries Co., Ltd.	Jones, C. R., & Sons.
Coalbrookdale Co., Ltd.	Jones, W. & P.
Davis, G., Sen.	Legge, G., & Son.
Doughty, John, & Son.	Madeley Wood Co.
Exley, W., & Sons.	Prestage & Co.

NOTICE. To Architects, Merchants, Builders, and others.

WHEREAS it has come to the knowledge of the Broseley Tilemakers' Association that Roofing Tiles are being supplied and sold in Staffordshire and other places, under the name and description of Broseley Tiles, which are not Broseley Tiles, but spurious imitations thereof. Now this is to give Notice, that any person or persons supplying or offering for sale as "Broseley" Tiles, goods not manufactured in the Broseley Clay District or of Broseley Clay, will be prosecuted as the Law directs.

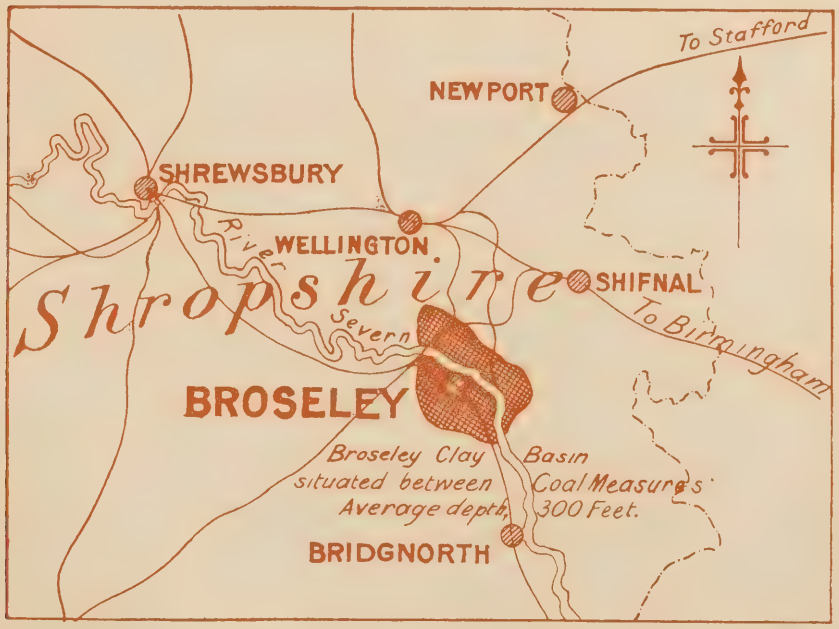
For the information of the Public, it is pointed out that the Broseley Clay District comprises the small portion of the County of Salop shaded dark on the accompanying plan, and contains beds of clay peculiar to the District, from which the only genuine "Broseley" Roofing Tiles have for over 100 years been manufactured.

(Signed on behalf of the Broseley Tilemakers' Association),

POTTS & POTTS,

Solicitors to Association.

Broseley, 7th September, 1903.



The following are Brands of Genuine Broseley Tiles, manufactured in the Broseley Clay District:

1. "Lightmoor Broseley."
2. "Coalport Broseley."
3. "Iron Broseley."
4. "Sovereign Broseley."
5. "Crown Broseley."
6. "Broseley Tileries."
7. "Excelsior Broseley."
8. "J. D. & S. Broseley."

JOHN DOUGHTY & SON,

MANUFACTURERS OF

BEST BROSELEY PRESSED

ROOFING TILES,

Plain and Ornamental, of various Colours,

Ridges, Finials, Hips & Valleys, Flooring Squares,

BROSELEY, SALOP.

Trade Mark: J. D. & S., Broseley. Postal Address: "JACKFIELD, SALOP." Telegraphic Address: "DOUGHTY, JACKFIELD."

THOSE WHO

Kindly mention "The Contractors' Compendium" as the source of their information, when communicating with the Firms represented therein, render an important service in enabling us to secure the fuller support of Manufacturers, &c., thus making the Book more comprehensive and valuable as a Work of Reference.

. THE . .

MADELEY WOOD COMPANY

IRON BRIDGE, R.S.O., SHROPSHIRE.

Telegraphic Address—
"IRON, MADELEY, SALOP."

National Telephone:
No. 9 Ironbridge.

LONDON, 1886.

MANUFACTURERS OF

BROSELEY ROOFING TILES,

Machine Made by Most Modern Process or Hand-Made, Sand-Faced,

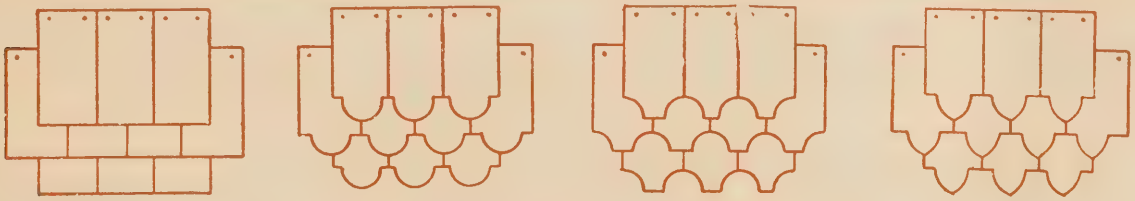
IN RED, BRINDLED, STRAWBERRY, BROWN AND BLUE COLOURS.

BRAND—"IRON, BROSELEY."

Plain and Ornamental Ridge Tiles, Finials, Hip, Valley and Angle Tiles, Best White Facing Bricks, Plinths, &c., Fire Bricks, Flooring Squares in Red, Blue and Buff Colours, and all kinds of Brick-kiln Goods.

WHEN ORDERING RIDGE, HIP, OR VALLEY TILES, THE PITCH OF THE ROOF SHOULD BE GIVEN.

Price Lists, Pattern Sheets, and Full Particulars on application.



ROOFING TILES.

PRESTAGE & CO.,

THE MILBURGH TILERIES,

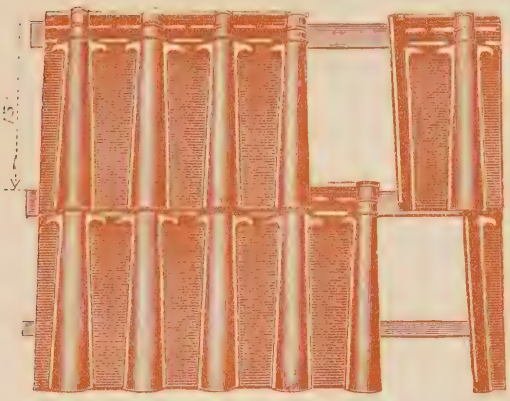
BROSELEY, SHROPSHIRE.

. . MANUFACTURERS OF . .

Plain and Ornamental Roofing Tiles, Pressed Hip and Valley Tiles, Ridges, Finials, &c., Brown, Brindle, Strawberry, or Red.

MAJOR'S PATENT WEATHERPROOF INTERLOCKING ROOFING TILES.

75 Tiles cover a square of roofing.

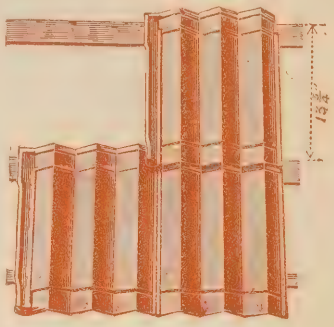


Scale, ¾ in.
DOUBLE ROMAN PATTERN,
showing Tiles as laid on Roof.
Glass Tiles to match, 4/- each.

	Patent D Roman.	Patent Angular.	Patent Plain.	Patent Welbeck.
Number of Tiles to a square of roofing	75	90	500	240
Comparative weight of square - -	6 cwt.	6 cwt.	10 cwt.	7½ cwt.
Comparative cost of square at works	16/6	19/9	30/-	25/-
Comparative cost of Tiles at London Railway Station per square - -	19/6	22/9	34/6	28/9
Comparative cost of laying Tiles on Roof per square	3/3	3/6	6/6	5/-

Cost of timber required for Major's Patent Roman and Corrugated Tiles is about Twenty-five per cent. less than the ordinary Broseley.

90 Tiles cover a square of roofing.



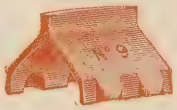
Scale, ¾ in.
ANGULARLY CORRUGATED PATTERN,
showing Tiles as laid on Roof.

Ridges of various Patterns for Major's Patent Roofing Tiles.

Supplied in 12 in. lengths; Scale ¾ in.

Butt Joint—No. 2.
Price per foot—5½d.

No. 4.
4½d.



No. 9.
6½d.

No. 34.
4½d.

No. 18.
10d.

No. 19.
10d.

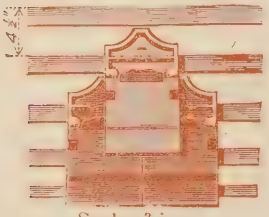
Cap Joint—No. 2.
Price per foot—6½d.

No. 4.
5½d.

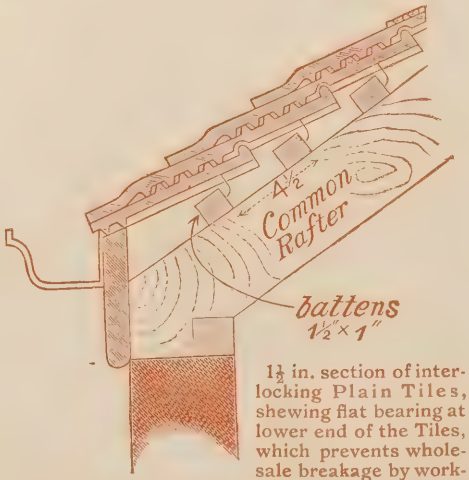
No. 34.
5½d.

Patent Interlocking Plain Tiles.

ELEVATION.

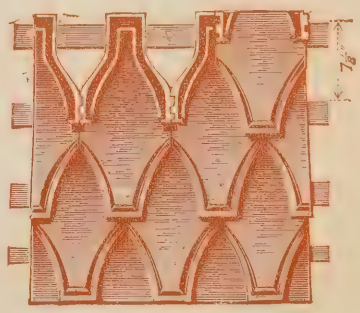


Scale ¾ in.
Cost about 30/- per square.
Laid to 4½ in. gauge.

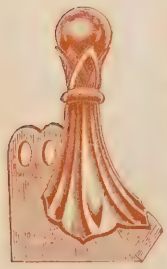


1½ in. section of interlocking Plain Tiles, shewing flat bearing at lower end of the Tiles, which prevents wholesale breakage by workmen passing over the roof, and the ribs and fillets that stop all weather from passing underneath.

Patent Interlocking Welbeck Tiles.



Scale ¾ in.



Malt Kiln Tiles.
Baker's Oven Tiles.
Plain & Fancy Ridge Tiles.
Best Red and Grey Facing Bricks.
High Quality Red Paving Bricks.

Messrs. MAJOR & Co. invite attention to their

Broseley Pattern Plain Tiles.

These are made same size and pattern as Broseley Tiles, but are superior in finish and material, stronger and tougher in texture, and less brittle.

Particulars may be obtained of the Manufacturers:

H. J. & C. MAJOR, Ltd.,

The Patent Tile Works, BRIDGWATER, Somerset.

MAJOR'S
New Patent Interlocking Roofing Tile,
THE "GRECIAN."

LEFT VERGE PIECES.

Ridge Tiles of any Pattern are suitable.

Roof Timbers and Rafters as for Slates.

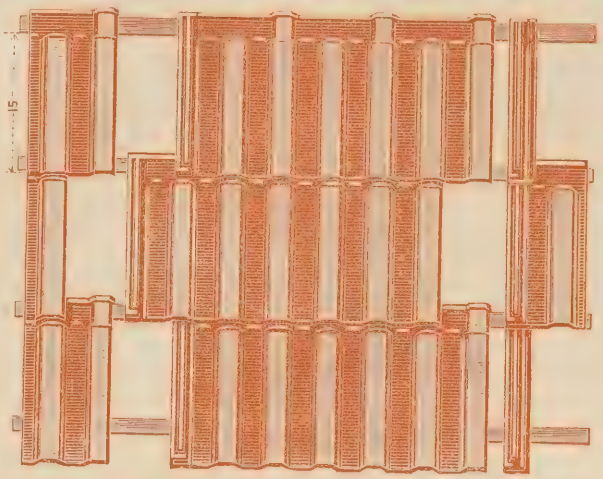
Battens, 2 inches by 1 inch.

Gauge for Battens, 15 inches.

95 Tiles to the Square.

Weight per 1,000, 3½ Tons.

,, ,, Square, 6½ Cwt.



RIGHT VERGE PIECES.

Price per 1,000 on Rail at Bridgwater—

Red.	Blue.	Green.
£11 3 6	£12 16 6	£16 3 6

Price per Square, about—

Red.	Blue.	Green.
£1 1 3	£1 4 4	£1 10 9

Patentees and Sole Manufacturers:

H. J. & C. MAJOR, Limited,

THE PATENT TILE WORKS, **BRIDGWATER,** Somerset.

THE WINDMILL BRAND ROOFING TILES

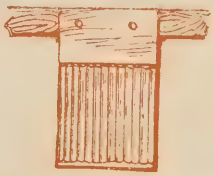
Are manufactured

Nr. Rugby, At Napton,

BY
WATSON, NELSON, LIMITED.

Dark and Medium Red Shades, Sand Faced and

Patent



Fluted

Finials, Ridges, and all Tile Fittings. Bricks. Adantine Flooring Tiles.

WINDMILL ROOFING TILES are noted for great RICHNESS OF COLOUR AND DURABILITY, and (among recent Contracts) were selected and used on the following: The New Fire Station and Municipal Offices, "Royal Borough of Windsor"; St. Peter's Church, Clevedon; New Infectious Hospital, Abingdon-on-Thames.

THE ADAMANT CO., LTD.

(Late BRITISH OPAL WALL GLAZING Co., Ltd.)

BIRMINGHAM.—ADAMANT Co., LTD., 6—11, COMMERCIAL STREET. *Telegrams*, "ADAMANT, BIRMINGHAM." *Telephone*, 489, BIRMINGHAM.

LONDON.—42, BERNERS STREET, OXFORD STREET. W. *Telegrams*, "CHROMOLITH, LONDON."

"BRIT. OPAL" FOR WALL LINING.

Superseding Glazed Bricks and Tiles, but superior in finish and durability, while the Cost is comparatively favourable.

"BRIT. OPAL" CAN BE MADE IN ANY SHADE OR COLOUR, SHAPED TO ANGLE AND MOULD.

The Success of all Wall Linings depends solely on the **Cement** with which it is fixed. **Our own** Cement is the only **product known** that will **not crack** the face of the work, and **hold** the same **permanently in position.**

For FURTHER INFORMATION and DRAWINGS OF WORK EXECUTED Apply to:—

JOHN WILKINSON, *Managing Director*, **BIRMINGHAM.**

ESTIMATES GIVEN, AND WORK EXECUTED BY OWN MEN IN TOWN OR COUNTRY. DISTANCE NO OBJECT.

PATENT "OPALITE" TILING

(TRADE MARK.)

With Shelmerdine's patent granulated Backing.

SANITARY - DURABLE - EFFECTIVE.

THE ONLY RELIABLE MATERIAL FOR LINING WALLS OF SUBWAYS, LAVATORIES, AREAS, KITCHENS, BATHROOMS, ETC.

Invaluable for HOSPITAL WORK, OPERATING ROOMS, ETC.

Will not CRACK or CRAZE

"OPALITE"

Telephone Nos. 2868 and 2869 LONDON WALL.

Telegraphic Address: "OPALITE, LONDON."

SUPPLIED AND FIXED BY

WILLIAM GRIFFITHS

(London Concessionaire of Patent Rights of the National Opalite Glazed Brick and Tile Syndicate, Ltd.),

126 Hamilton House, Bishopsgate St. Without, E.C.

PORCELAIN TILING executed with care and despatch by COMPETENT WORKMEN.

CARTER & CO.,

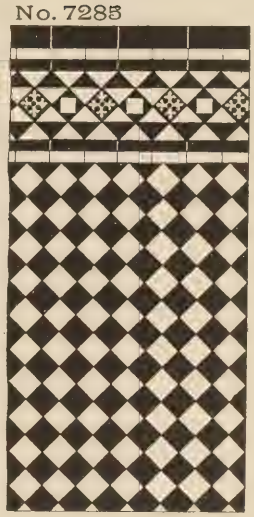
London Office & Showrooms:
29 ALBERT EMBANKMENT, S.E.

ENCAUSTIC ∴ TILE ∴ WORKS,
POOLE, DORSET.

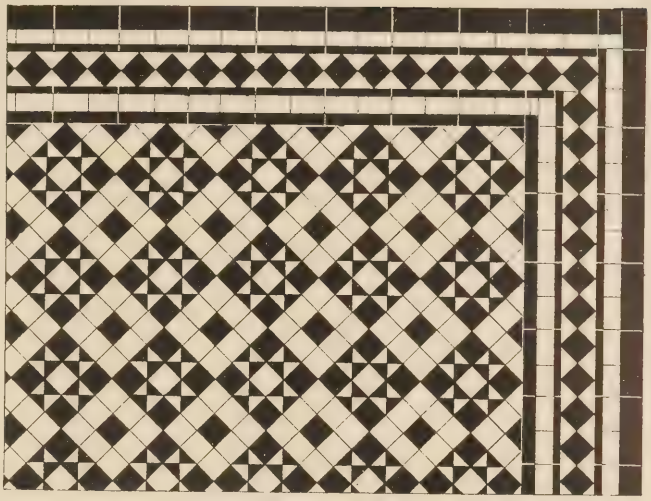
Manchester Office:
100 DEANSGATE.

No. 7284

No. 7285



No. 7286



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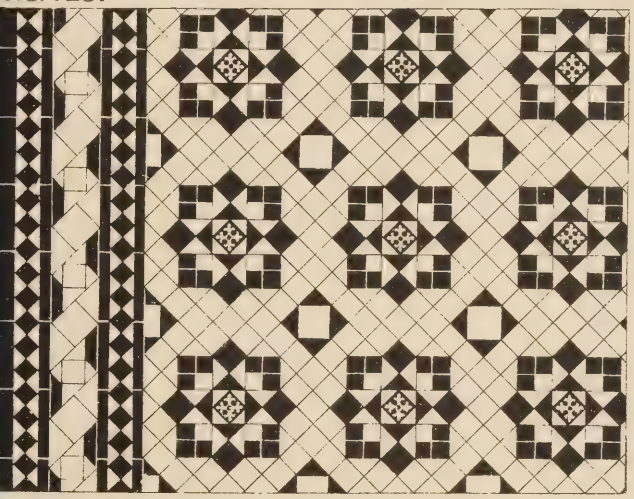

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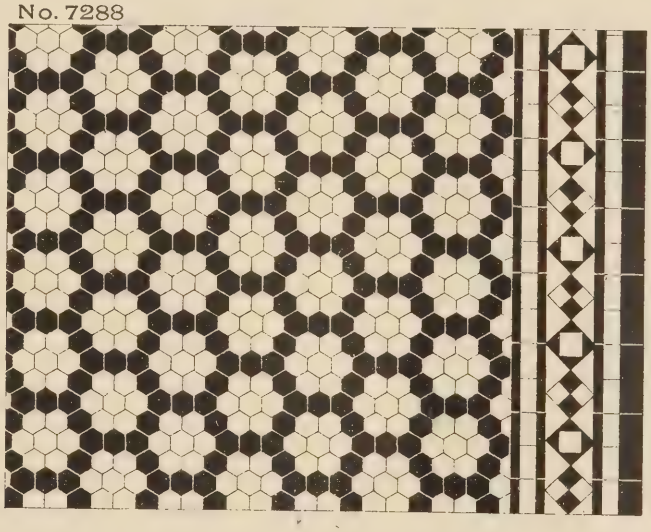

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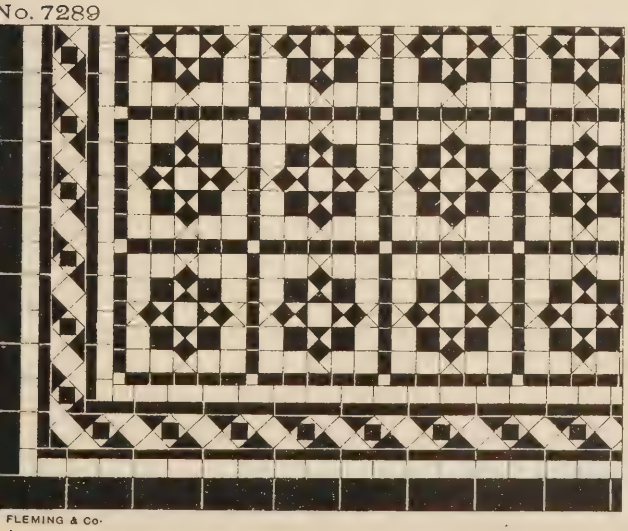

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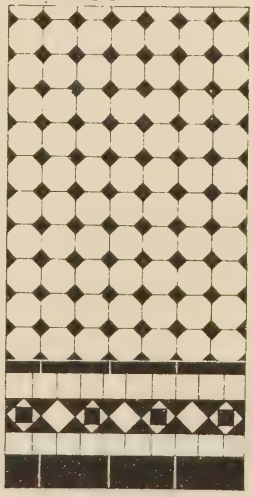

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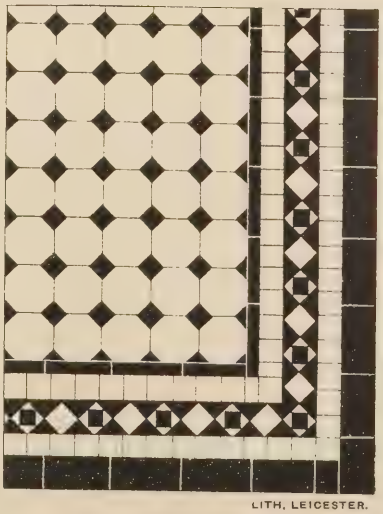

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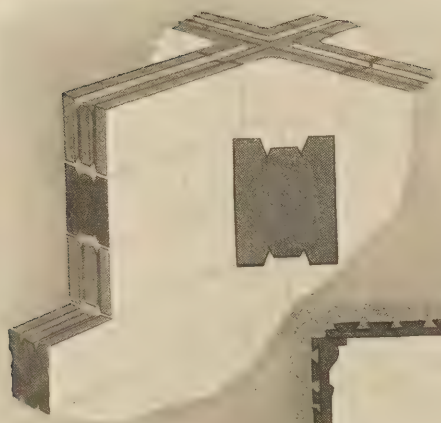

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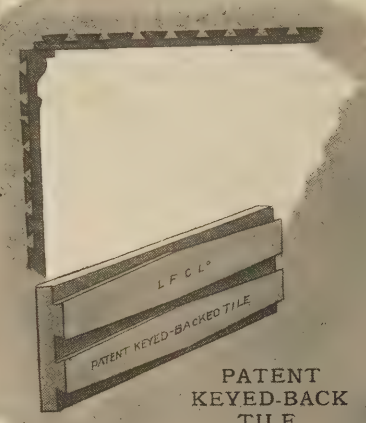

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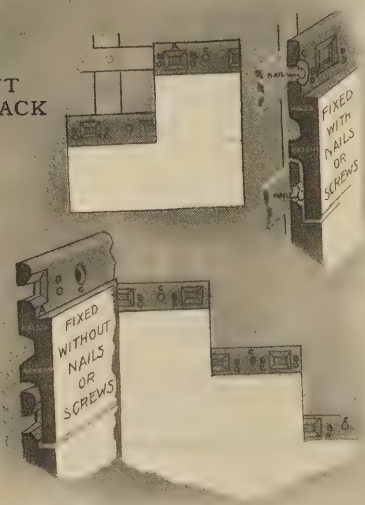

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See also Summary of Contents, page 1.

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FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Anderson, D., & Son, Ld.	57, 58
Bradshaw & Co.	64
Broadbent & Co.	70
Coles, Shadbolt & Co., Ld.	66
Davies Bros.	71
Ellis, Partridge & Co., Ld.	70
Faldo, T., & Co., Ld.	64
Greaves, Bull & Lakin, Ld.	67
International Asphalte Co.	64, 71
Jones, F., & Co.	56
Kaye & Co., Ld.	66
Lawford & Co.	65
Limmer Asphalte Paving Co., Ld.	64
London Asbestos Co.	55
McNeill, F., & Co.	59—62
Mathews, E., & Co.	68, 72
Nelson, C., & Co., Ld.	69
North Wales Slate Co.	72
Oakeley Slate Quarries Co., Ld.	72
Parry, H., & Sons, Ld.	68
Pilkington & Co.	66
Rhiwbach Slate Quarry Owners	71
Roberts, Adlard & Co.	72
Smart, Josiah, & Son	66
Willesden Paper & Canvas Works, Ld.	63
Williams, W. D.	71
Wood Bros.	68

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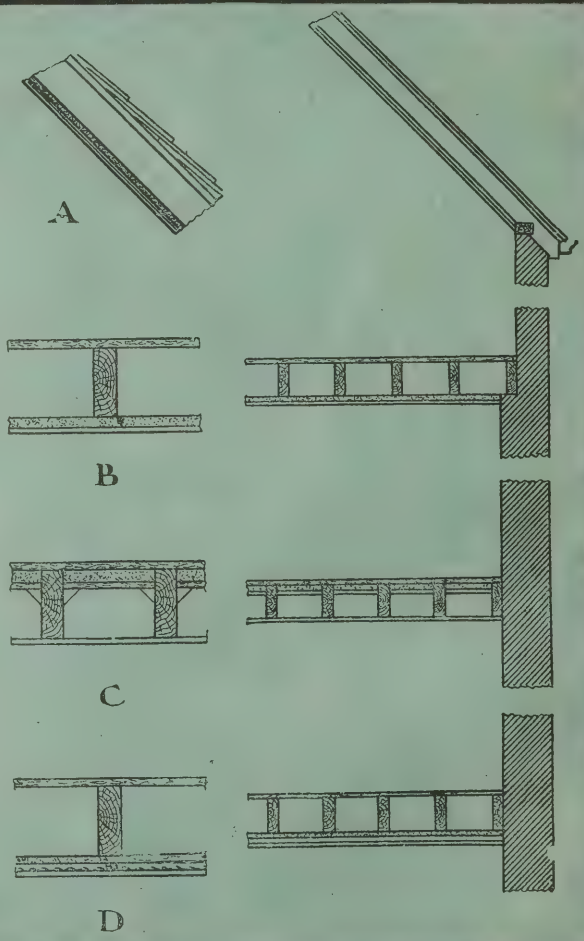

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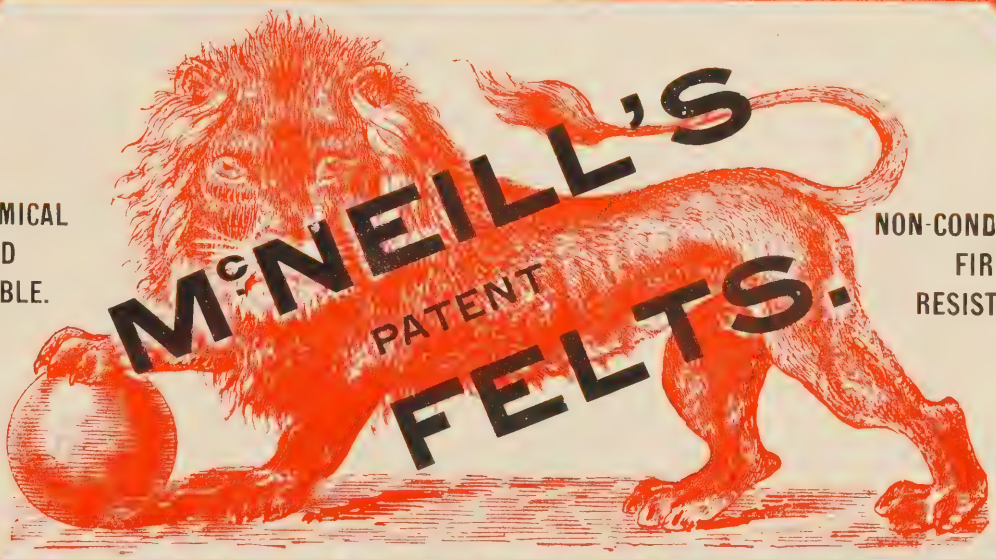

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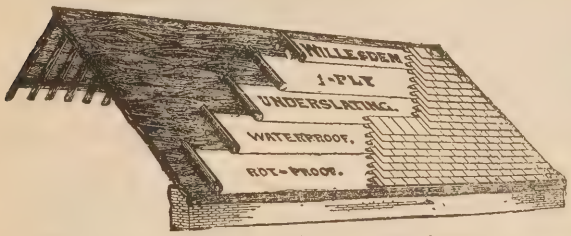
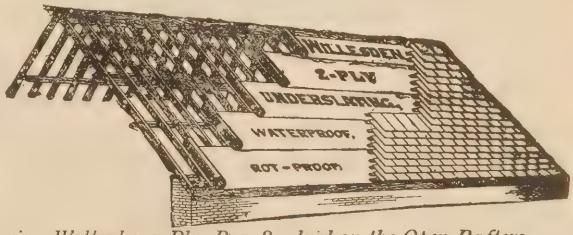


Willesden 1-Ply, B. 1. 120, Laid on Boarding.



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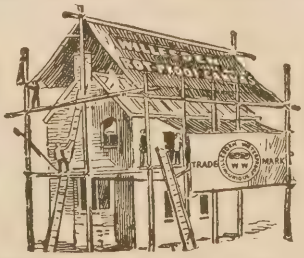

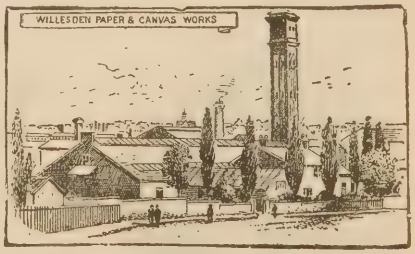

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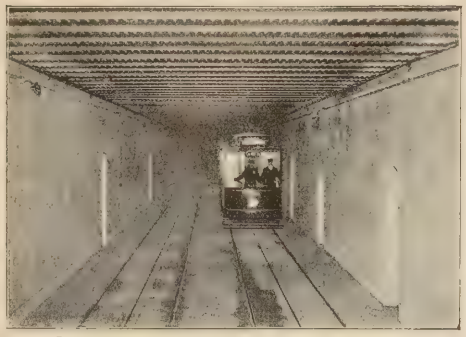

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	PAGE
Blackler, A. W., & Sons, Ld.	80
Brown, A. A.	81
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Geary, Walker & Co., Ld.	89
Hinchliff, G., & Son	75
Hodkin & Jones, Ld.	77, 88
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Ridley, T. D., & Sons	75
Sessions & Sons, Ld.	87
Walton, Gooddy & Cripps, Ld.	83—86
"Weldon Stone"	76
Westminster Patent Flooring Co.	79
Whitehead, J., & Sons, Ld.	86A—86D
Wilkins, H. W., & Sons	74
Wilkinson, W. B., & Co., Ld.	78
Witcombe, G., & Son	78
Wood Carving Co., Ld.	92
Wood, James	76

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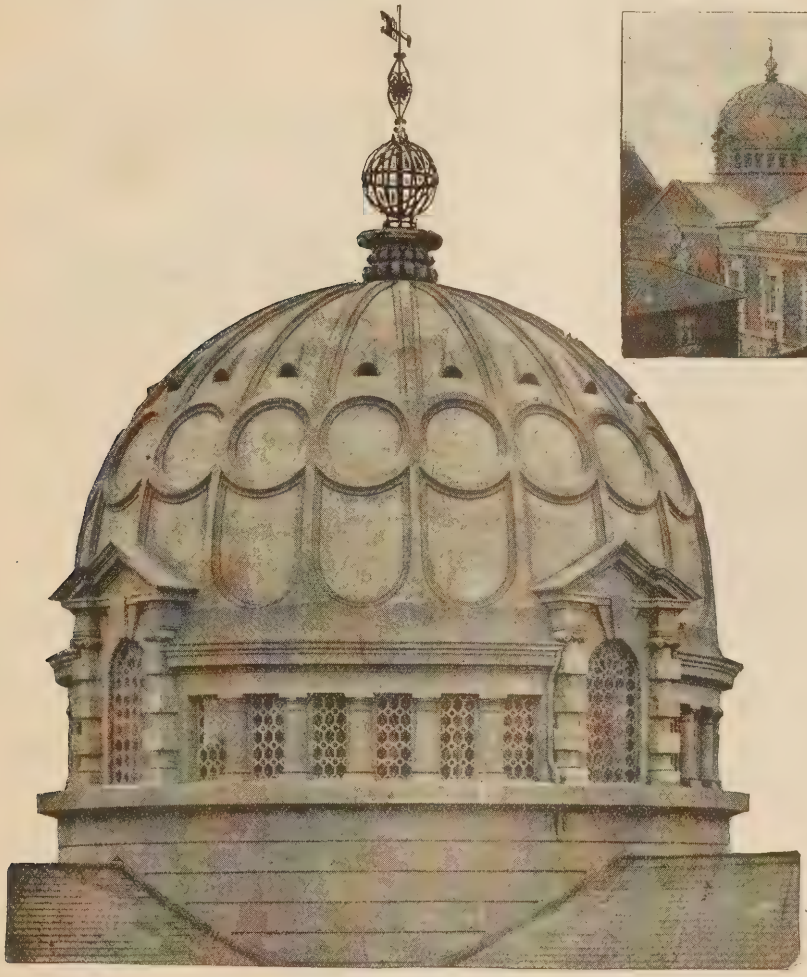

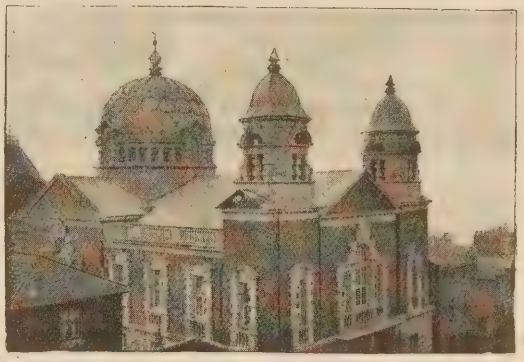

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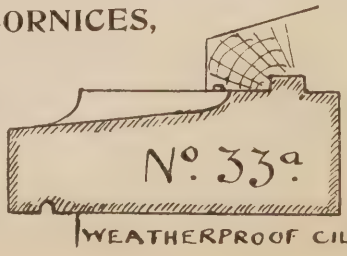

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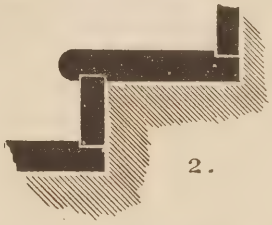
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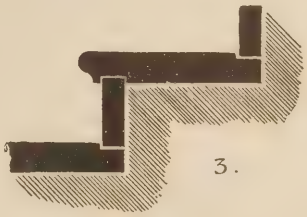
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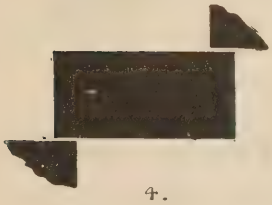
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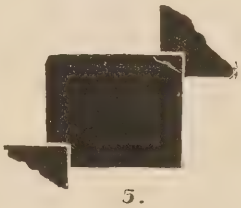
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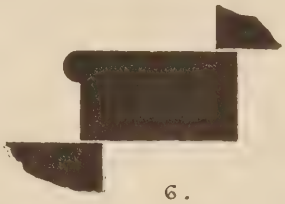
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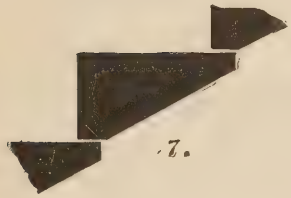
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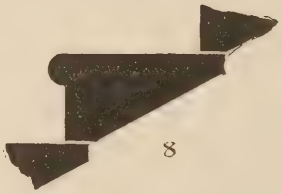
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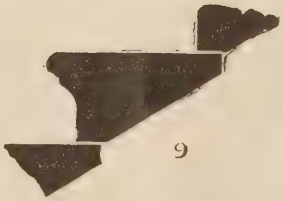
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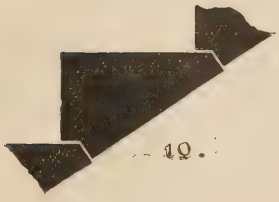
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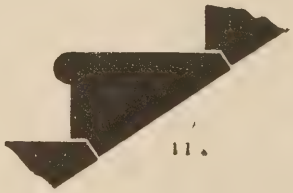
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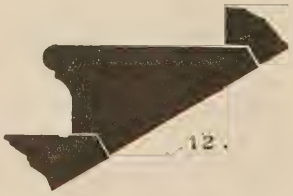
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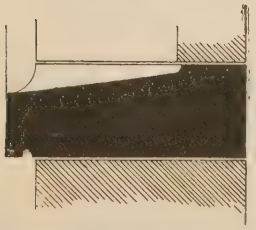
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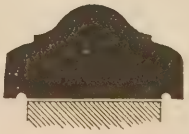
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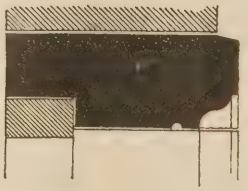
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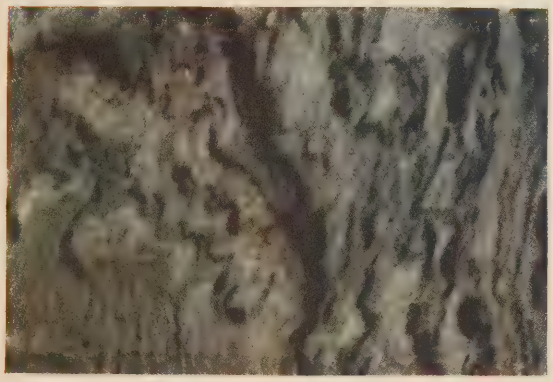

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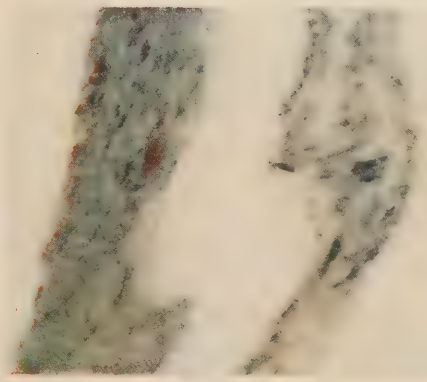

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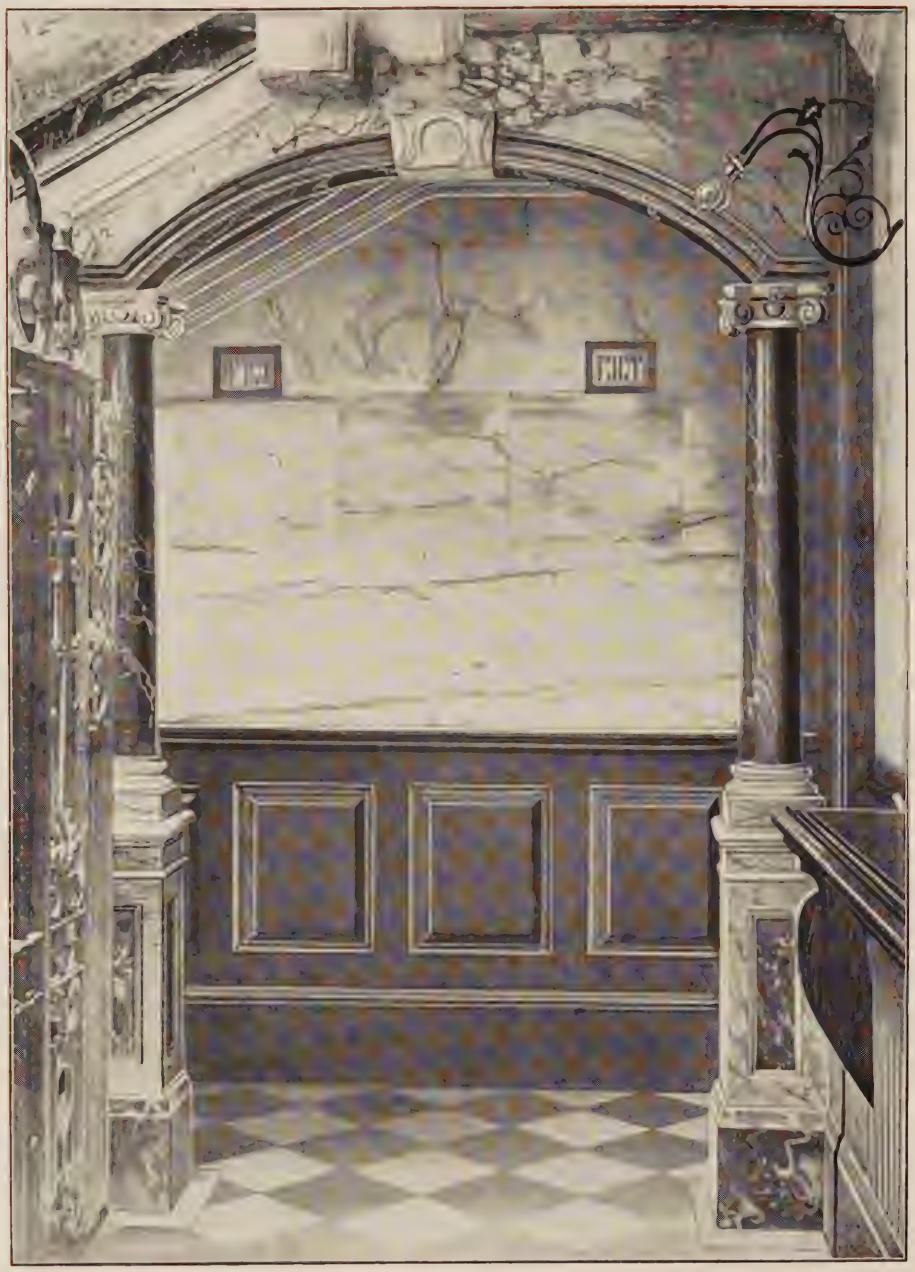

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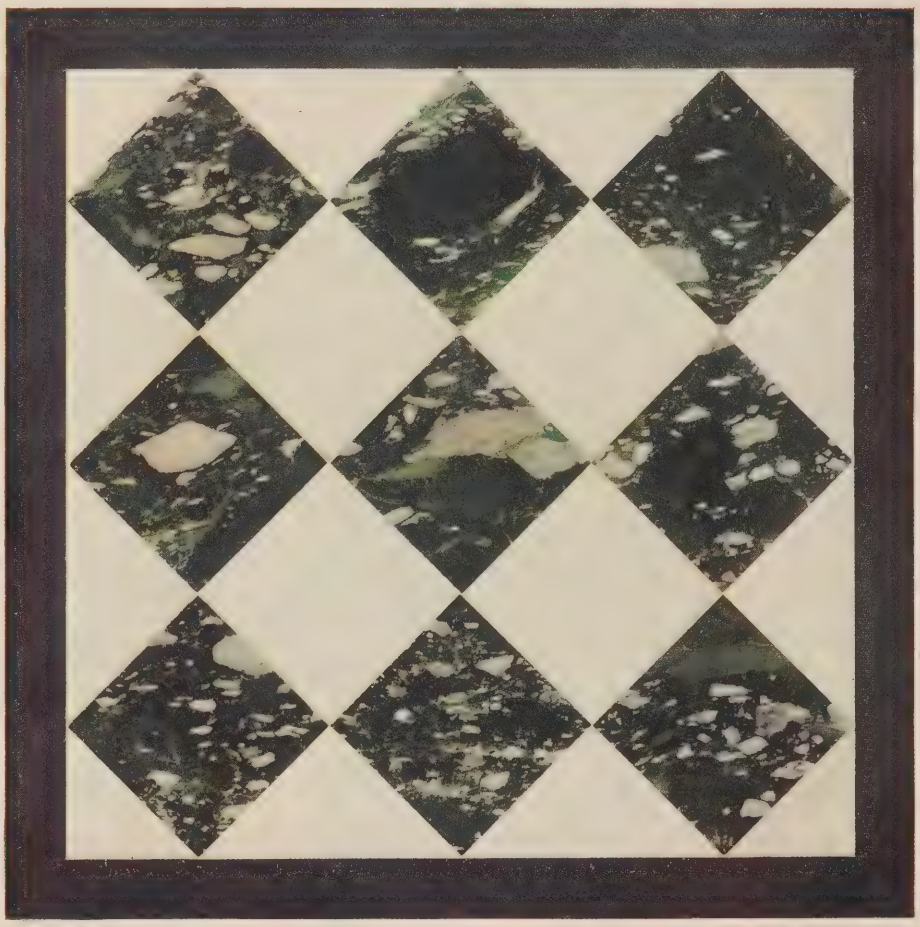

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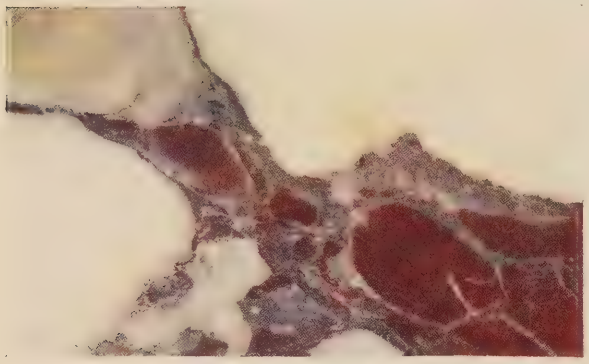

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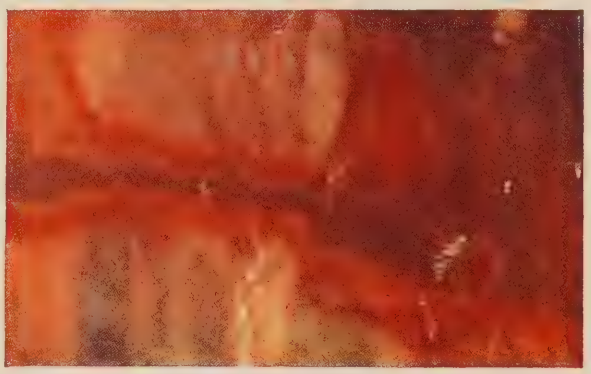

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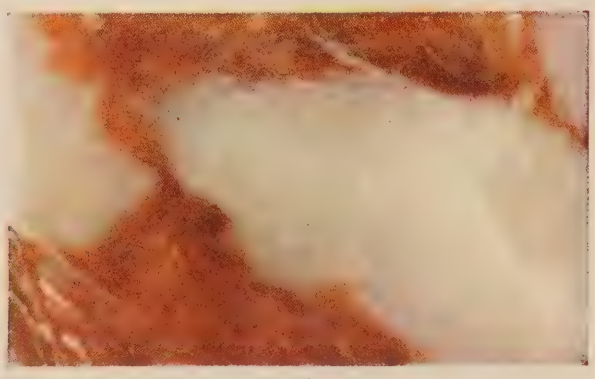

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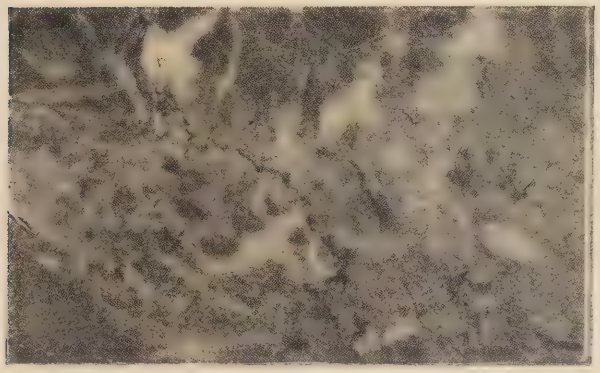
MARBLE FLOORS FOUNTAINS

SELECTION OF

DECORATIVE MARBLES

FOR INTERIOR USE.



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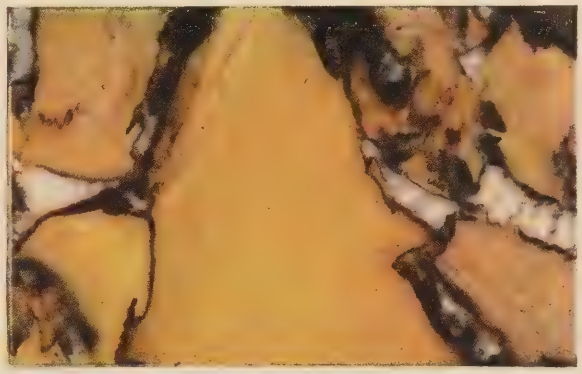

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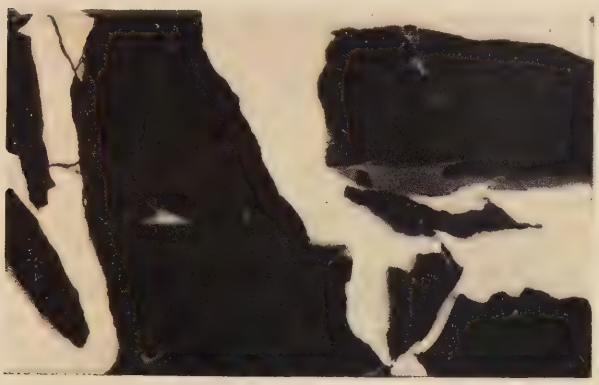

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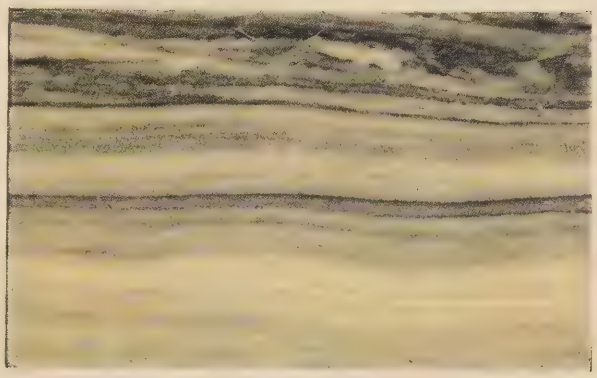

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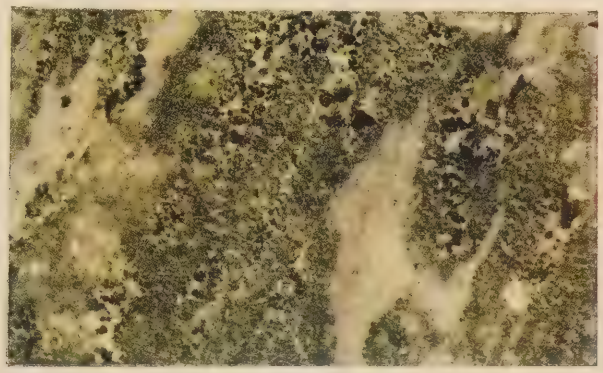

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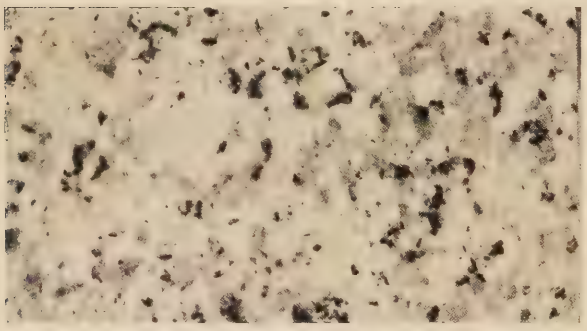
SHOP FRONTS MEMORIALS

SELECTION OF

GRANITES

FOR EXTERIORS.



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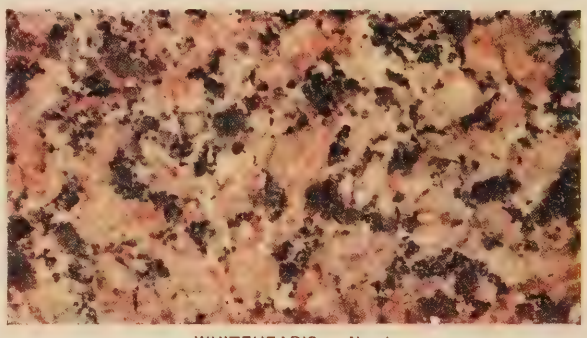

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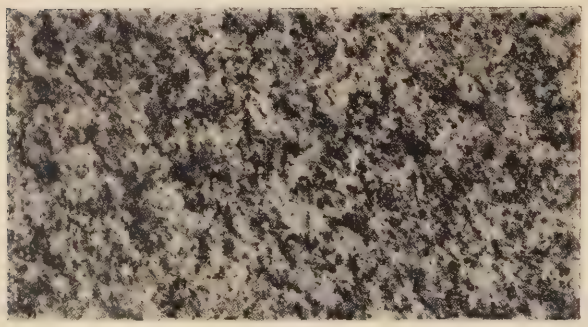

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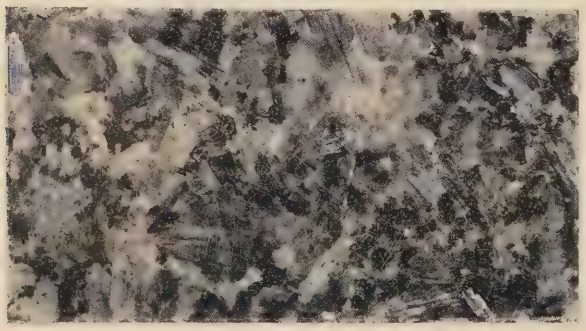

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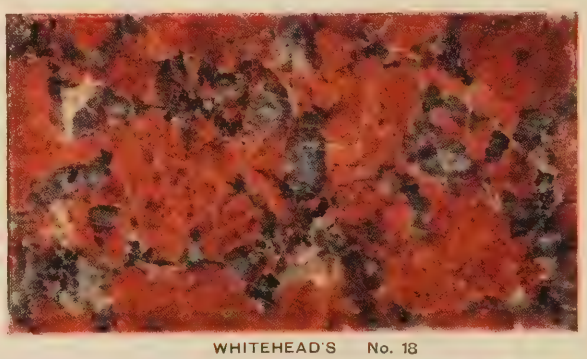

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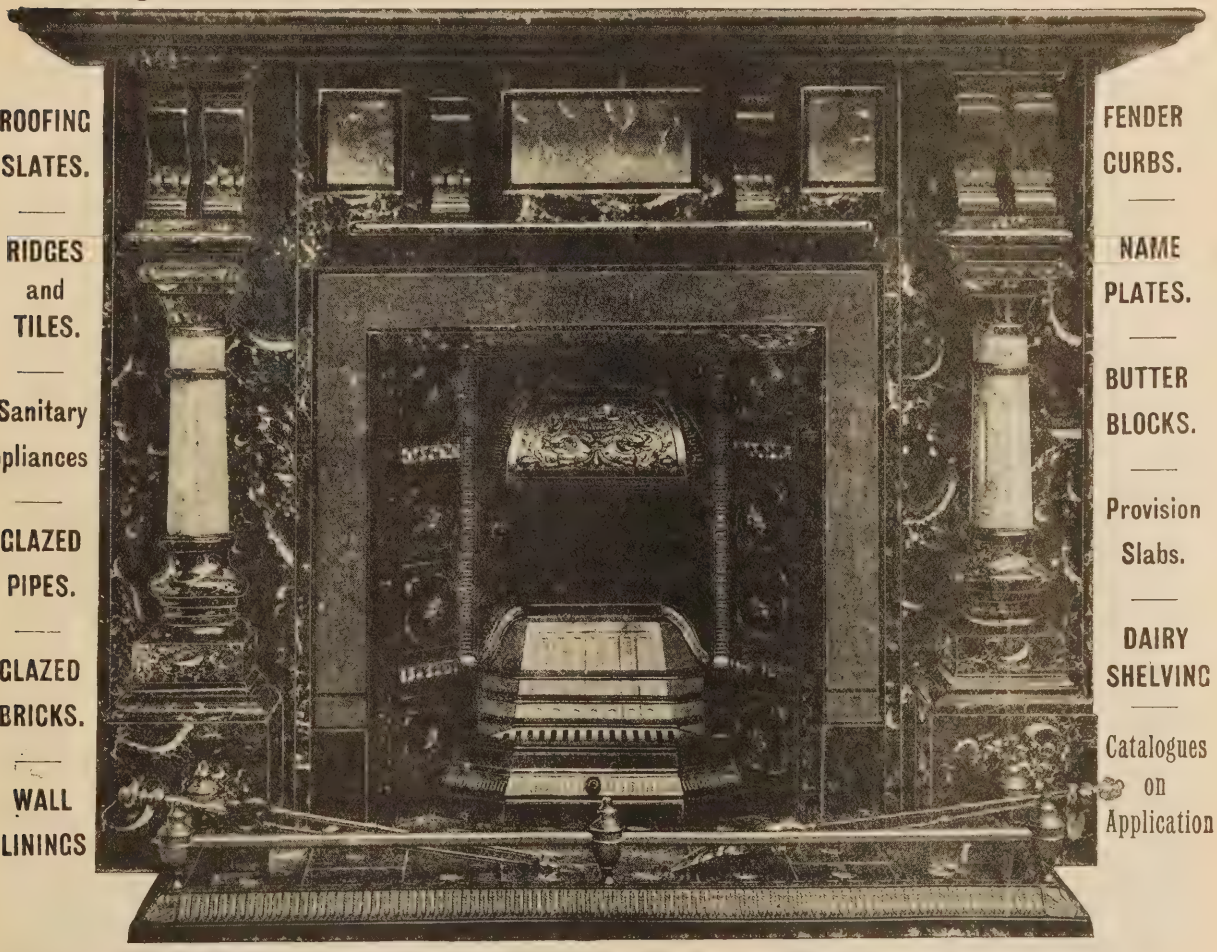

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For WOOD BLOCKS, PARQUET, &c., see page 100.

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CATALOGUE.

See also Summary of Contents, page 1.

Section D.

Timber.
Joinery, Wood Chimney Pieces, &c.
Wood Fencing.
Parquet and Wood Block Flooring.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Acme Flooring & Paving Co. (1904), Ld.	98, 99
Ashworth, J., & Co.	93
Brooker, J. T.	104a, 104b
Elliott, Samuel, & Sons Ld.	95
Ellis, Geary & Co.	97
Geary, Walker & Co., Ld.	100
Gibbard, J. R., & Son	101
Jennings, C., & Co.	96
Noakes, E. G.	94
Owen, Joseph & Sons, Ld.	94
Parkstone Steam Joinery Co.	95
Snewin, C. B. N., & Sons, Ld.	94
Stevens & Adams	102
Turpins Co.	103
Westminster Patent Flooring Co.	104
Worsley, R. E., & Co.	95

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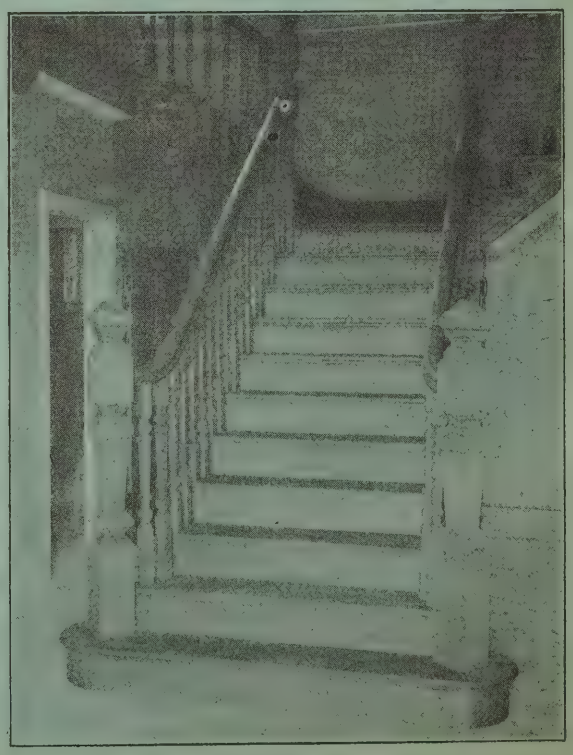

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AND

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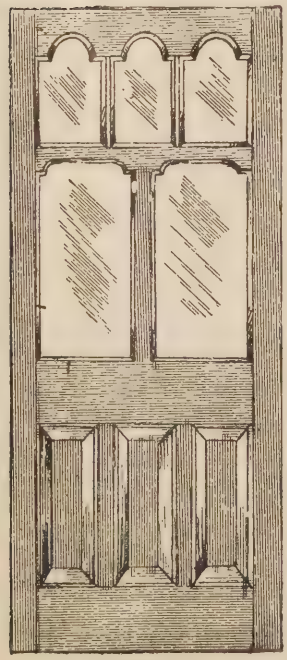
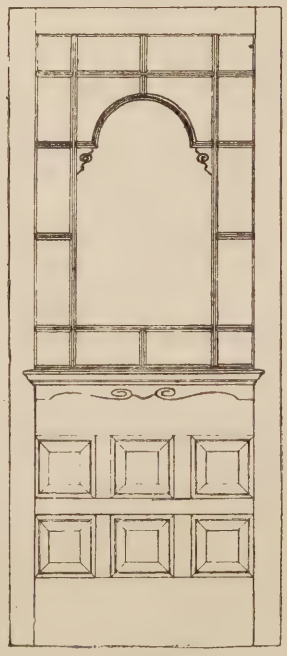


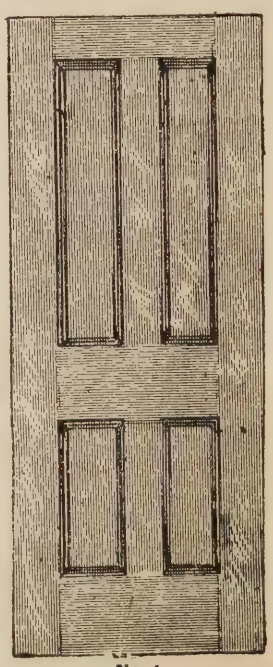
No. 11.

CHURCH SEATING and WOODWORK of any Description Fixed if required.



No. 10.

WOOD BLOCK FLOORING and MASTIC Supplied or Laid any distance.



No. 1.

Contractors to H.M. GOVERNMENT.

ELLIS, GEARY & Co.
139 CANNON St. LONDON

WOOD BLOCK FLOORING

"TELEGRAMS: GEARBEID. London."

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"INTERLOCKING" SYSTEM

The blocks are firmly + immovably bonded together by a continuous dowel or tongue formed on the solid block. NO LOOSE DOWELS-PINS etc. therefore no possibility of ommission. The "INTERLOCKING" System gives a greater wearing thickness than any other.

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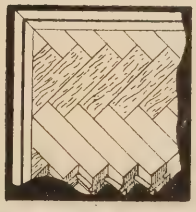
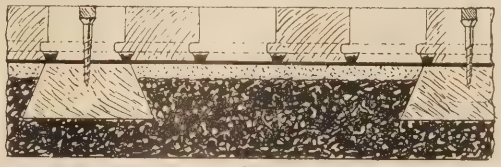
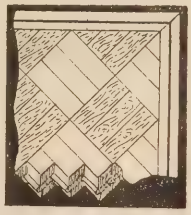




— SECTION —



NO "SECOND QUALITY" WORK quoted for.

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RED or YELLOW DEAL	from 5/-	OAK (Austrian)	from 8/6
PITCH-PINE	" 5/6	JARRAH or KARRI	" 8/6
MAPLE	" 6/-	TEAK	" 9/6

DEAL & PITCH-PINE from 1¼" to 2" thick; other woods from 1" to 1½" thick.

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"EXPANSION-JOINT" & "MASTIC-PARQUET" FLOORS

Superior Floorings for HOSPITALS. BANKS. PUBLIC BUILDINGS etc.
Laid in Panels or Squares + so constructed as to obviate twisting, warping, + bulging up.
The "EXPANSION-JOINT" flooring may be laid in damp or exposed situations, & washed freely, without any ill effects.
The MASTIC-PARQUET can be laid to any parquet pattern, and is incomparable as a system of laying parquet on a Concrete foundation.
(see SECTIONS shewing construction. on other side.)

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F.P.B.

FOR "MOSAIC" see SECTION C.

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THE PERFECT FLOORING FOR ALL PURPOSES.

THOROUGHLY SEASONED TIMBER GUARANTEED, AND CAN BE SUPPLIED IN VARIOUS QUALITIES AND DESCRIPTIONS OF WOOD AT PRICES TO SUIT EVERY REQUIREMENT.

Laid at OSBORNE HOUSE, ISLE OF WIGHT, for the ROYAL FAMILY.

ARUNDEL CASTLE, the Residence of His Grace THE DUKE OF NORFOLK, K.G., P.C., Earl Marshal.

——ADOPTED BY ——

THE WAR OFFICE—Laid at Ordnance Stores, Mobilisation Stores, Torpedo Stores, Drill Sheds, Artillery Grounds, Barrack Rooms, &c., &c.

THE ADMIRALTY—DOCK YARDS: Chatham, Devonport, Portsmouth, Sheerness, &c.

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Royal Horticultural Society.

The Cathedrals, Southwark and Westminster; and other Cathedrals. Numerous Churches and other places of Public Worship in the United Kingdom.

LONDON COUNTY COUNCIL—Chief Offices, Fire Stations, Gymnasia, L.C.C. Schools, &c, &c.

Corporation, City of London, &c.

Late School Board for London and other Metropolitan, Suburban, and Provincial Board Schools—over 13,000 Schools.

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HIGHEST AWARDS AT THE FOLLOWING EXHIBITIONS:

International Exhibition, Paris.
Inventions ,, London.
Society of Architects, ,,
International Exhibition, Glasgow.
Building Trades' Exhibition, Sheffield.
International ,, Liverpool.
,, ,, Edinburgh.
Royal Polytechnic ,, Falmouth.
Architectural & Building ,, London.
Health Exhibition, York.
Sanitary Institute of Great Britain.
International Exhibition, Saltaire.
,, ,, Newcastle-on-Tyne.
Midland Trades and Industrial Exhibition, Leicester.

Full particulars and prices on application to the Sole Proprietors and Manufacturers,

THE ACME FLOORING & PAVING CO. (1904), LD.,

CHIEF OFFICES AND WORKS: GAINSBOROUGH ROAD, VICTORIA PARK, LONDON, N.E.

Telephone Nos.: 645, 646, 647, East. Telegrams:—"DOWELLED, LONDON."

W. DUFFY'S PATENT "IMMOVABLE-ACME"

WOOD BLOCK FLOORING.

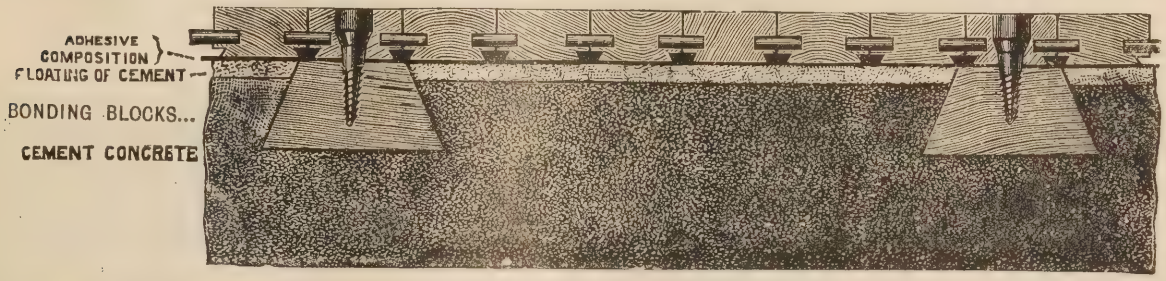
THE PERFECT FLOORING FOR ALL PURPOSES.

Eight Gold Medals, four Silver, two Bronze Medals, and Certificate of Sanitary Institute of Great Britain.

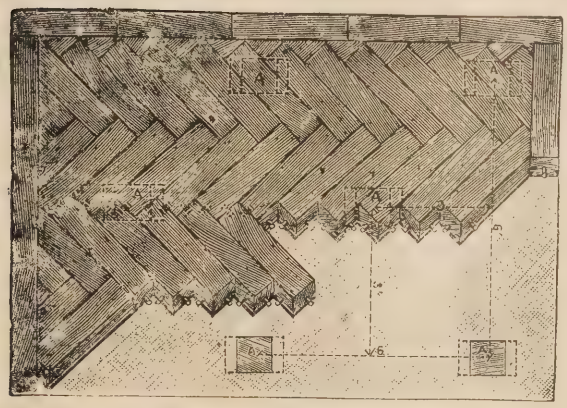
INDESTRUCTIBLE, PERFECTLY SOLID, NOISELESS, AND WARM.

The most Efficient and Economical Floor in the Market.

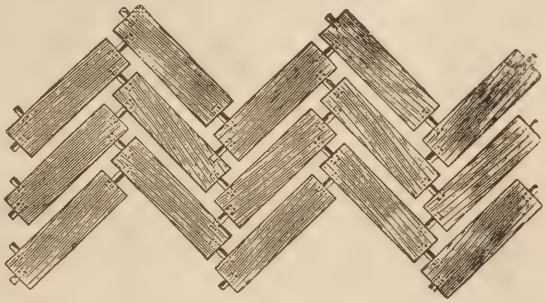
Possessing complete Sanitary Advantages of Imperviousness to Vermin, Dirt, Damp, Draughts.



Transverse Section of Duffy's Patent "Immovable-Acme" System of Wood Block Flooring.



Plan Surface View showing the Position of bonding Blocks (marked A) to which the superposed Flooring is secured.



Plan View, joints left open to show method of Dowelling.

The wear sustained in a Public Establishment like the **Gaiety Buffet, Strand,** where it is laid, is the very highest recommendation; here it is truly tested in every possible way by heat, wet, heavy and constant traffic, yet its appearance to-day is quite as good as the day it was laid, and we respectfully beg Architects' special attention to this Floor.

The preparation of the wood is a most careful operation, both as regards seasoning and manufacture. By the well-explained system of dowelling, each block is fastened to the neighbouring blocks, and by the perfect securing to foundation looseness or dislocation of the blocks becomes impossible.

Full particulars and prices on application to the Sole Proprietors and Manufacturers,

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Telephone Nos.: 645, 646, 647. East. Telegrams:—"DOWELLED, LONDON."

Contractors to H. M. Government.

WOOD-BLOCK FLOORING.

Ordinary Dovetail, and Solid-Tongued Section.

DEAL, PITCH-PINE, MAPLE, OAK, TEAK, &c., &c.

PARQUET NO BURSTING UP NO OPEN JOINTS MOSAIC

PATENT "ANHYDROUS" FLOORING

THE PERFECT SYSTEM OF WOOD-BLOCK & PARQUET FL'G

GEARY, WALKER & Co LTD

WOOD-BLOCK 11 QUEEN VICTORIA ST LONDON E.C. FLOORING

PARQUET FLOORING.

¼ in., ½ in., & 1 in. thick—From 10d. per ft. super. Fixed Complete & Polished.

For Designs and Prices see Section D, "Architects' Compendium."

For MOSAIC, see page 89.

Telegrams: "GIBBARD, EXETER."

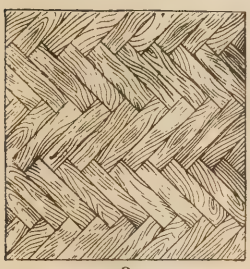
J. R. GIBBARD & SON,

PATENT WOOD BLOCK FLOOR MANUFACTURERS,

St SIDWELLS, EXETER.

And at 37, High Street, WIMBLEDON.

Telephone 31 P.O.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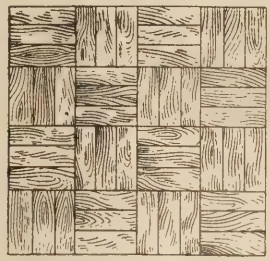
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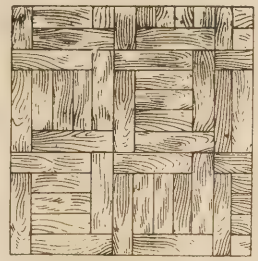
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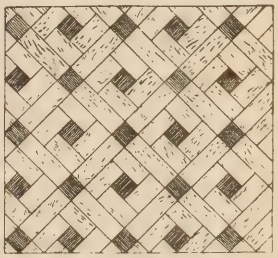
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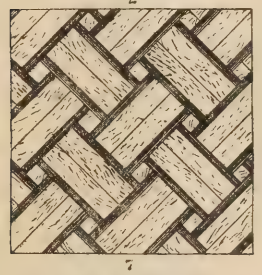
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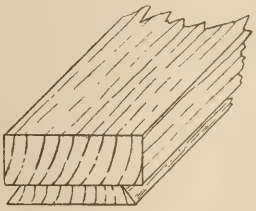
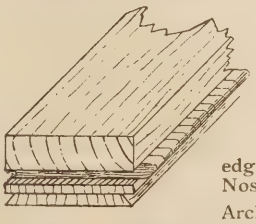
Nº 1 Section



Nº 2 Section



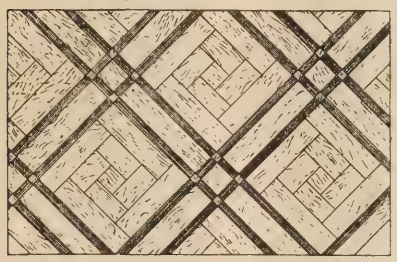
Price for not less than 100 yards, laid and cleaned off complete, within 100 miles of Exeter, in fair spaces, and within Railway Companies' delivery, as Section No. 1, dovetail grooved *all round* bottom edges, nominal thickness as patterns Nos. 2, 3, 4—

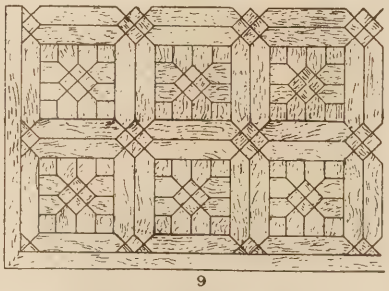
	1 in.	1¼ in.	1½ in.	2 in.	
Archangel					
Red Deal, —	**4/11,**	**5/5,**	**6/3**		per yd.
Pitch Pine, —	**5/6,**	**6/-**	**7/3**		,,
Oak ...	**10/-,**	**11/-,**	**12/6,**	—	,,

If laid with our Patent Steel Dowels, add **7d.** per yard.

For Section No. 2, solid tongue and groove, and dovetail groove all round bottom edges, add **9d.** per yard.

This Block we thoroughly recommend for all best work. There is positively nothing better.

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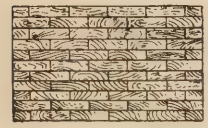
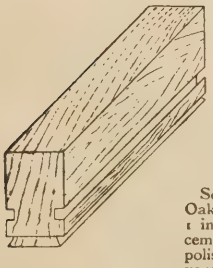


DURA - - - FLOORING.

End grain Jarrah, actual size of block 4½ × 1½ × 2in. deep. Noiseless, very durable. Suitable for Banks, Railway Booking Halls, Restaurants, Police Courts, and all places subject to heavy traffic.

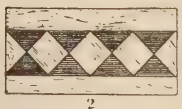
Price, 18/- per yard.



Solid Parquet Flooring in Austrian Oak and Walnut and Jarrah to choice. 1 in. thick, as Section No. 2, laid on cement or wood foundations, and Ronuk polished, complete; for not less than 70 yards, and within 100 miles of Exeter—

Nos. 1, 3, 4	1/6	per foot super.
,, 6, 7	2/-	,,
,, 8	2/3	,,
,, 9	2/6	,,
Borders, Nos. 1	1/9	,,
,, ,, 2, 3, 4	2/-	,,

1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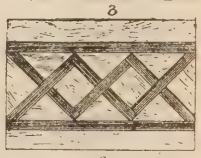
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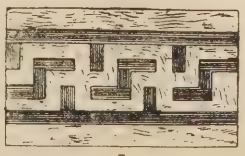
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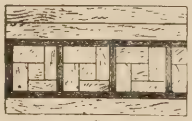
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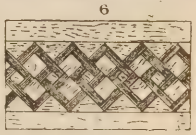

9

Borders, Nos. 5, 6, 7, 8 - 2/4 per foot super.
,, ,, 9 - 2/8 ,,

Estimates given to Architect's design, in any wood, and complete satisfaction guaranteed.

Prices quoted for Parquet are for Oak with Walnut Lines; any other woods quoted for in Parquet or Wood Block Flooring upon receipt of enquiry.

Telephone No. 5062 WESTMINSTER.

Stevens & Adams

SPECIALITIES IN PARQUET & WOOD BLOCK FLOORS

120-122 VICTORIA STREET LONDON SW

PARQUET FLOORS.

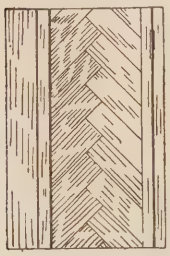
SPECIAL QUOTATIONS ON RECEIPT OF PARTICULARS WITH PLAN.

ANY DESIGN EXECUTED.

PRICES PER FOOT SUPER

BORDERS.

A



¼ in., 1/-; 1 in., 1/5.
Border "A" if laid as Filling ¼ in., 9½d.; 1 in., 1/2.

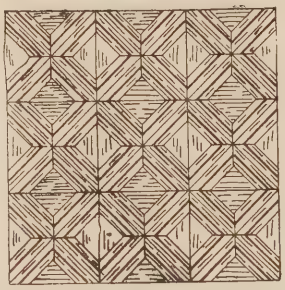
FILLINGS.

5

¼ in. Thick, 1/1½; 1 in. Thick, 1/5½.

FILLINGS.

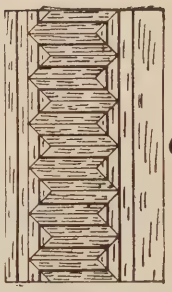
7



¼ in. Thick, 1/4½; 1 in. Thick, 1/8½.

BORDERS.

C



¼ in., 1/9; 1 in., 2/3.

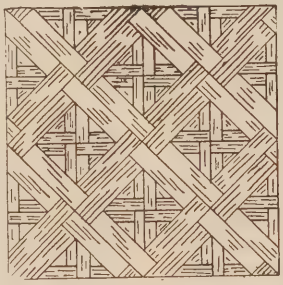
B

¼ in., 1/3; 1 in., 1/9.

8

¼ in. Thick, 1/2½; 1 in. Thick, 1/7½.

11



¼ in. Thick, 1/2½; 1 in. Thick, 1/7½.

D

¼ in., 1/3; 1 in., 1/9.

THE BEST

System in the Market.

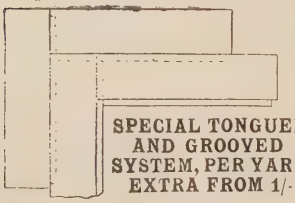
ABOVE PRICES ARE FOR SUPPLYING, LAYING, AND BEESWAXING COMPLETE for QUANTITIES of 500 FEET OR OVER IN LONDON.

PRICES

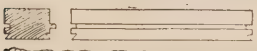
Per Yard super, Laid and Cleaned off complete.
For S.A. Standard quality, Guaranteed.

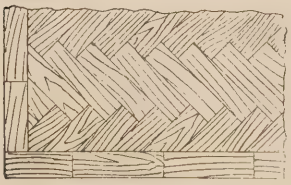
Nominal Thickness	1 in.	1¼ in.	1½ in.	2 in.
DEAL	4/6	4/9	5/3	6/-
P PINE	5/-	5/6	6/0	7/-
OAK ...	8/6	9/3	10/6	12/6
MAPLE	—	6/9	7/3	—
TEAK	10/-	11/6	12/6	15/-

PRICES QUOTED for LONDON WORK ONLY—COUNTRY EXTRA.



SPECIAL TONGUED AND GROOVED SYSTEM, PER YARD EXTRA FROM 1/-



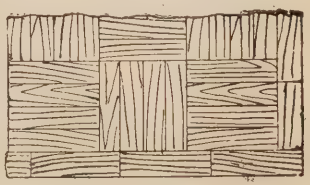


HERRINGBONE

WOOD·BLOCK·FLOORS

The SUPERIORITY of this System, owing to its perfectly SOLID and IMMOVABLE nature when fixed, cannot be disputed. There is absolutely no chance of insecure fixing, there being no loose parts.

TO ENSURE A FIRST CLASS FLOOR, WHICH WE GUARANTEE, PLEASE SPECIFY OUR "S.A." STANDARD QUALITY FLOOR, also STATE THICKNESS & DESCRIPTION OF WOOD REQUIRED, & IF TO BE LAID ON THE TONGUED and GROOVED SYSTEM.



BASKET PATTERN

An experienced Representative will be pleased to call upon Customers and take particulars if required.

Telegrams: "TURPILIUS, LONDON."

TURPIN'S

Telephone: 785 PADDINGTON.

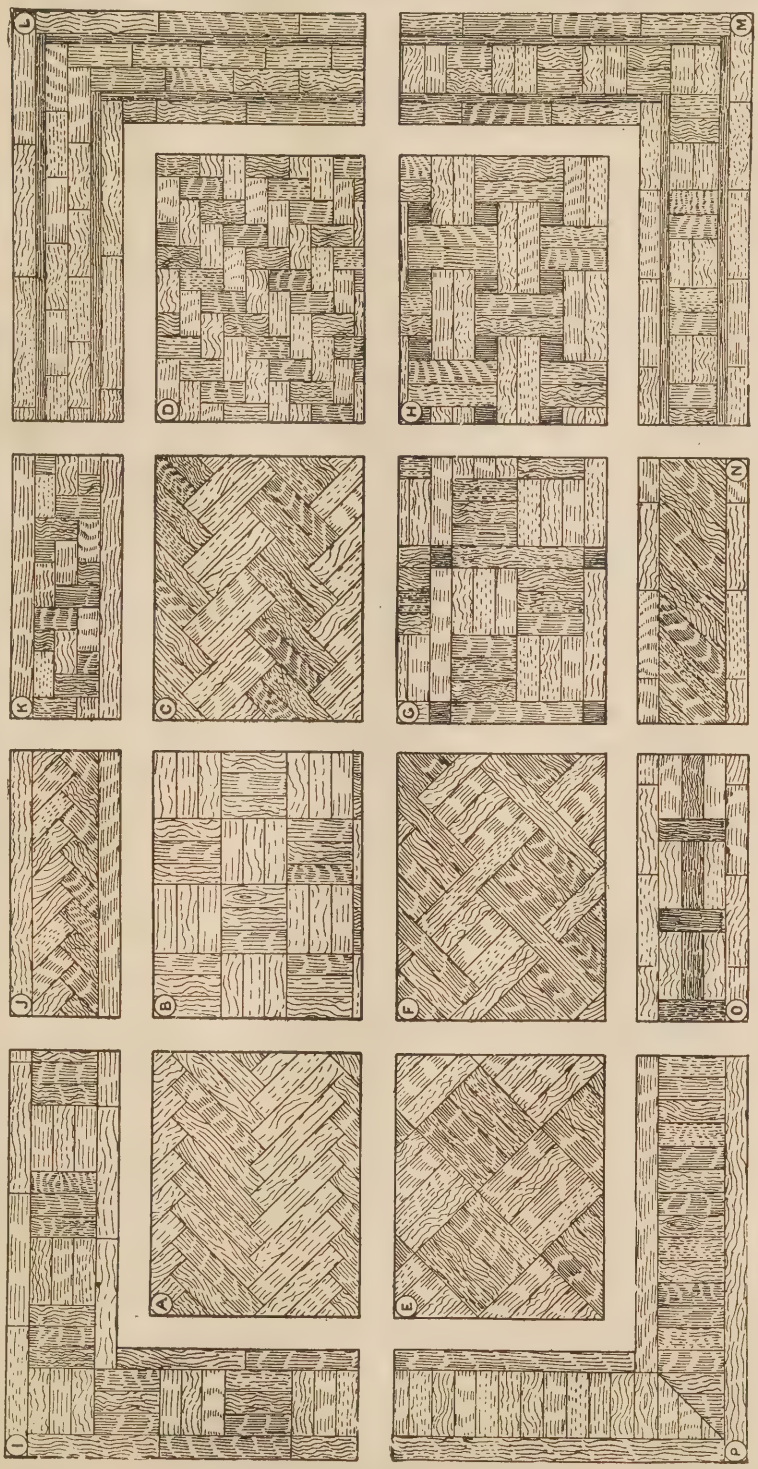
PARQUET FLOOR, JOINERY & WOOD CARVING CO.,

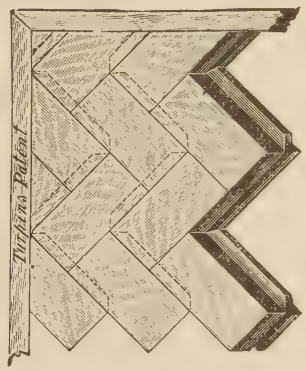
22G, QUEEN'S ROAD, BAYSWATER, LONDON, W.

TURPIN'S WOOD BLOCK FLOORS: OAK, TEAK, MAPLE, PITCH-PINE, DEAL.

Speciality: SOLID TONGUED INTERLOCKING BLOCKS, RENDERING FLOOR ABSOLUTELY IMMOVABLE.

For Hospitals, Churches, Schools, Libraries, Public Halls, Restaurants, etc.





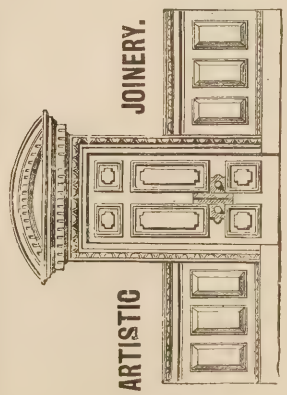
"INTERLOCKING" PATTERN

PRICES, LAID COMPLETE IN SPECIAL MASTIC COMPOSITION, FOR QUANTITIES OF 50 SQ. YARDS AND UPWARDS, ON READY PROVIDED CEMENT FLOATED CONCRETE.

	Nominal Thickness.		
	1¼ in.	1½ in.	2 in.
FILLINGS.—All Patterns, excepting F, G, H, at per Square Yard .. Oak	9/6	12/-	—
Maple ..	6/9	7/6	—
Pitch Pine ..	5/6	6/-	6/9
Deal ..	5/-	5/6	6/3

BORDERS.—Add 1d. per foot super extra for any Pattern, except L, M, and O, for which add 2d. extra.

SOLID TONGUED "INTERLOCKING" FLOORING.—Add 9d. per yard extra for any Pattern.



Large Stocks held—Oak, Maple, and other Woods—ready for Laying.

SPECIAL LUMP-SUM ESTIMATES ON RECEIPT OF PLANS AND PARTICULARS.

ESTABLISHED 1866.

PARQUET FLOORS, JOINERY, ROMAN & TERRAZZO MOSAIC.

WESTMINSTER PATENT FLOORING CO.,

HECKFIELD PLACE, WALHAM GREEN, S.W.

(Close to Police Station).

ESTABLISHED 1888.

Motor 'Busses from Piccadilly pass close to the door, and Heckfield Place can also be reached by 'Busses, or the District Railway from Charing Cross, Victoria, and Sloane Square.

Telegraphic Address—"POLITENESS, LONDON." Telephone—No. 867 KENSINGTON.

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SPECIALITIES.

PATENT DISC-KEY BLOCK FLOORS
(On Concrete).
Recommended for all good work.

CHEAP ORDINARY BLOCK FLOORS
(Laid in Mastic).

WESTOLITE COMPOSITION FLOORING.

1 in. SOLID PARQUET FLOORS
(Recommended).

¼-in. THIN CARPET PARQUET FLOORS
(For Covering Old Floors).
From 9½d. per foot super, laid complete and Wax-Polished.

PORTABLE PARQUET
On Hire or Sale.

CORK PARQUET OR CARPET FLOORS OF ALL KINDS.

APPLY BY POST, AS ABOVE.

MANUFACTURES.

MOSAIC, MARBLE & CERAMIC
Large Stock,
Special Machinery,
Own Workmen.

GRANITO, VENETIAN TRAZZO, AND ROMAN.
From 7/6 per yard super.
For Halls, Passages, and Conservatories.

MARBLE TILING.
Quantities always in Stock.

HARDWOOD BOARD FLOORS
FOR DANCING.
Special Tongued Joint & Springs.

TEMPORARY PORTABLE PARQUET FLOORS
On Hire or Sale.

TRENCH COVERS
In Block Floors.

ROAD PAVING.

ASPHALTE FLOORS

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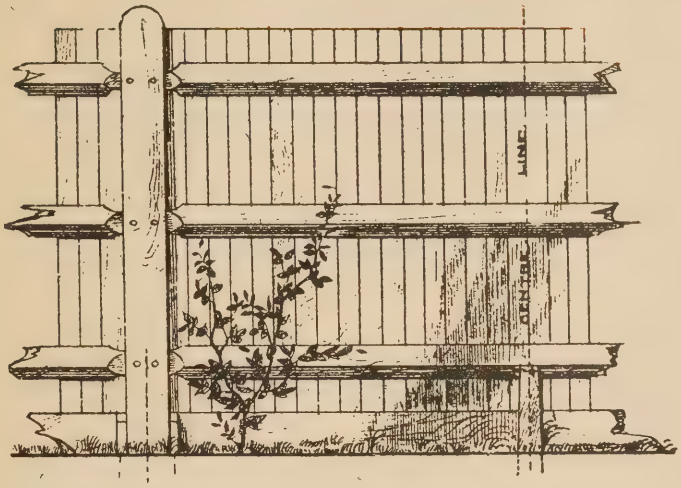
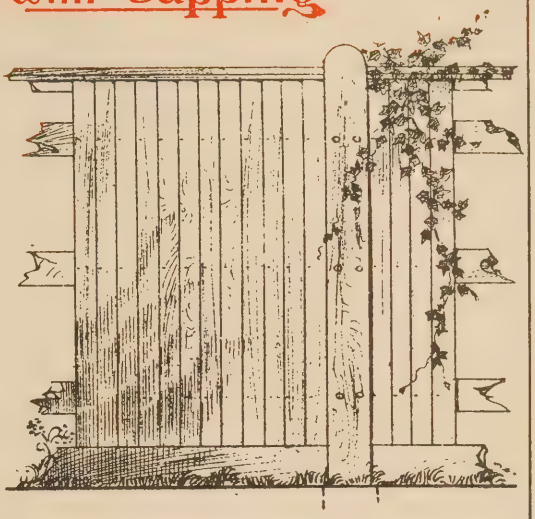


with capping



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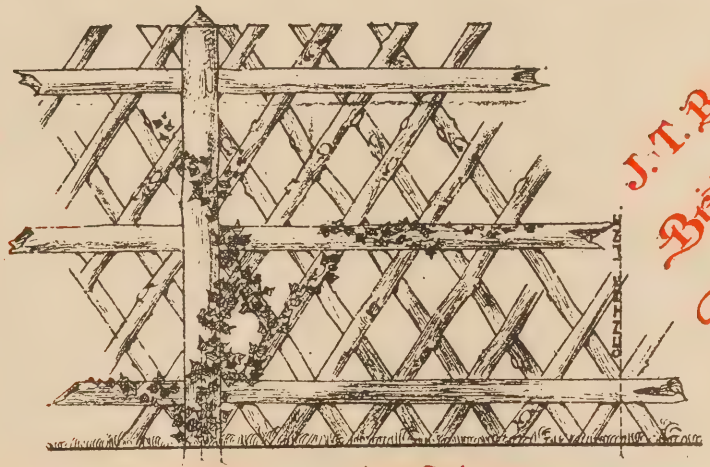

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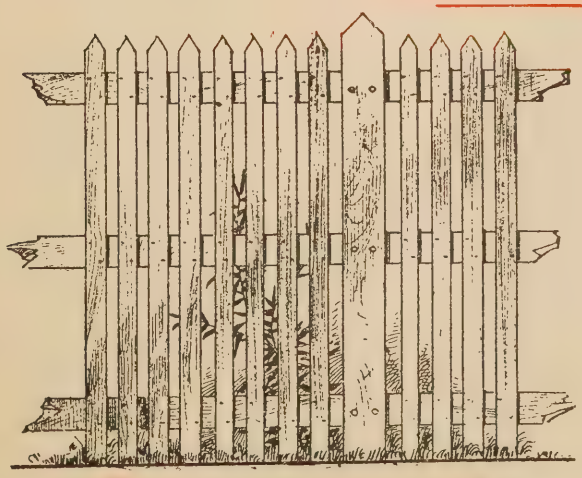
Larch Diamond Rustic Fence.



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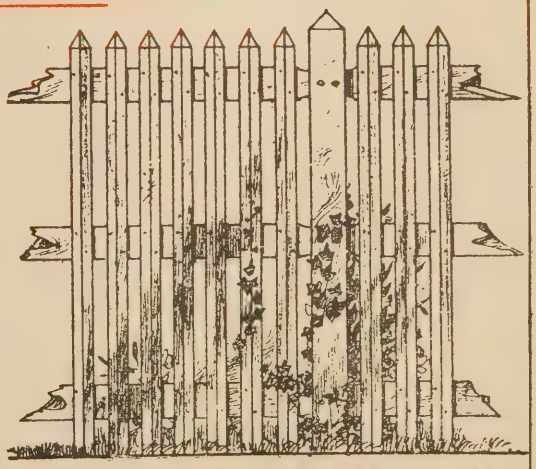

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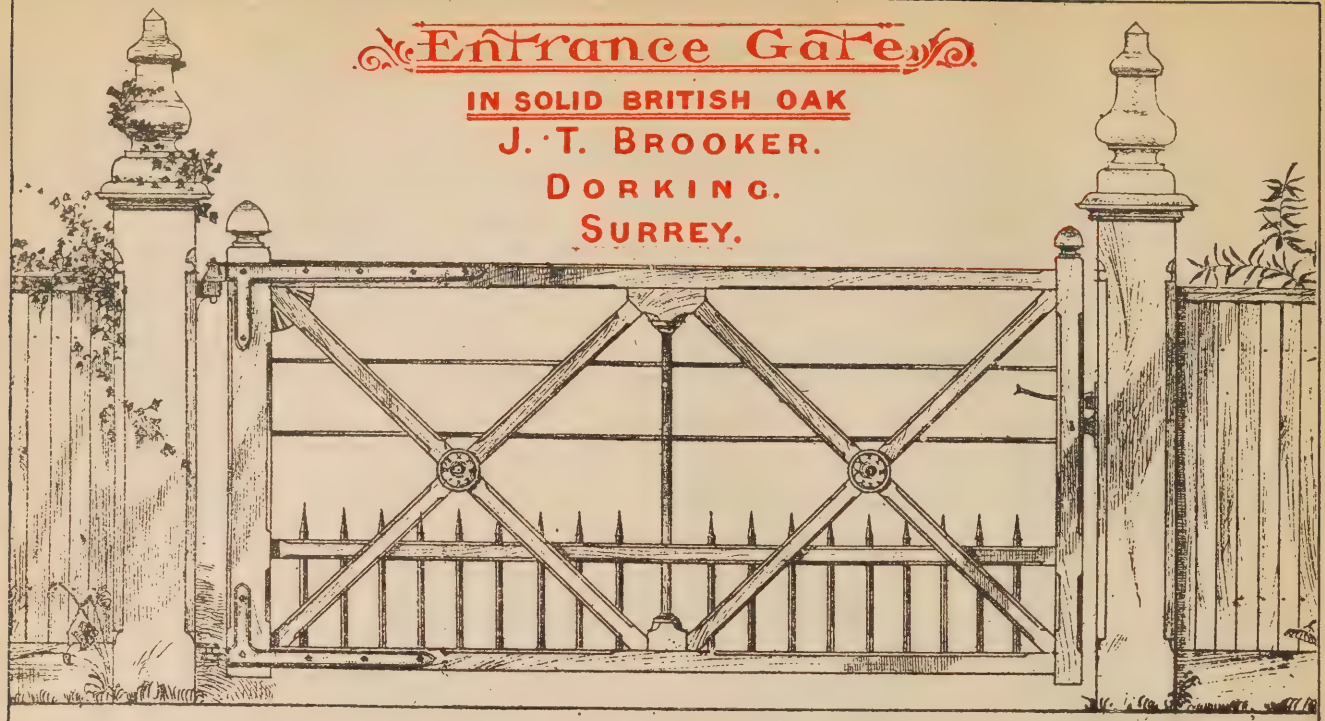

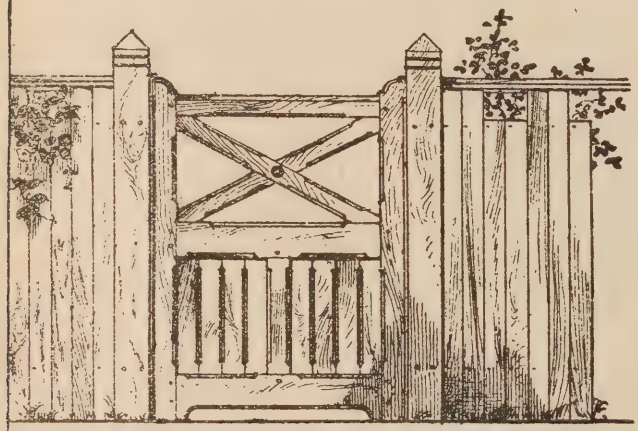

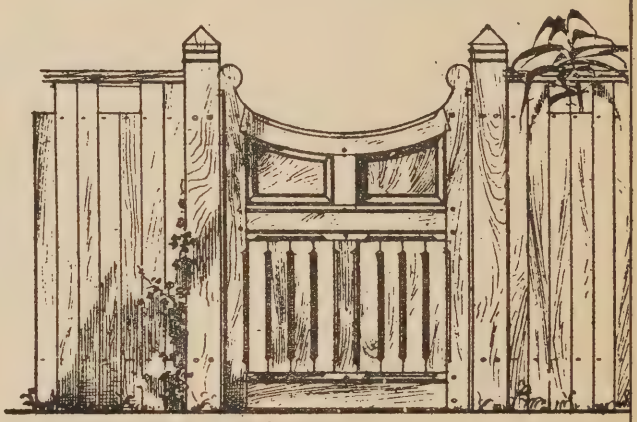

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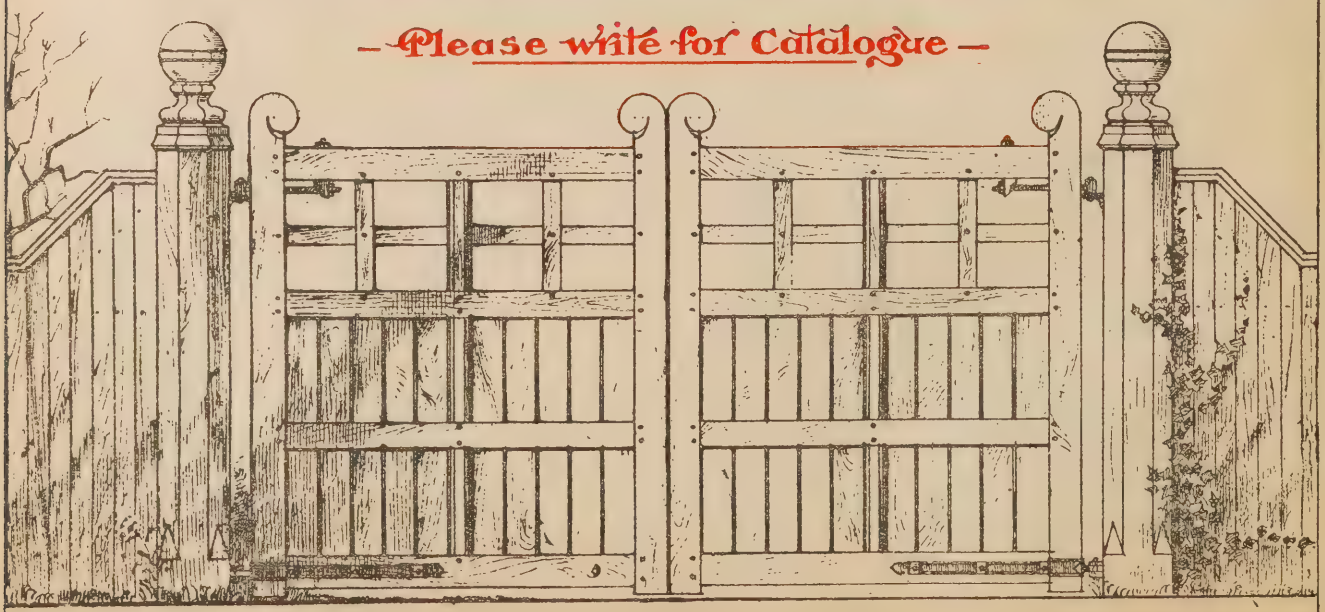

See also Summary of Contents, page 1.

Section E.

Iron and Steel Construction.
Iron, Wood and other Buildings.
Fire Escape Staircases, Cast Work, &c.
Gates, Railings, &c. Metal Work.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Baldwins, Ld.	110
Bayliss, Jones & Bayliss, Ld.	116, 117
Bell, P., & Son	106
Blakeley, E. F., & Co.	106
Caston & Co., Ld.	122
Drew-Bear, Perks & Co., Ld.	108, 109
Fleming, P. & R., & Co.	107
Gardiner, Sons & Co., Ld.	118, 123, 124
Hayward Bros. & Eckstein, Ld.	111, 115
Hayward, W., & Sons, Ld.	119
Hill & Smith	118A, 118B
Lift & Hoist Co.	115
Motley & Green, Ld.	112
Northwood, John	107
St. Pancras Ironwork Co., Ld.	113
Witchell & Co.	105
Worrall & Co.	120, 121
Wright, George, Ld.	114

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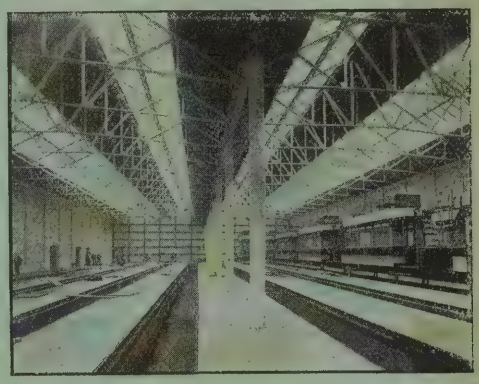

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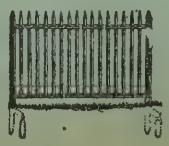

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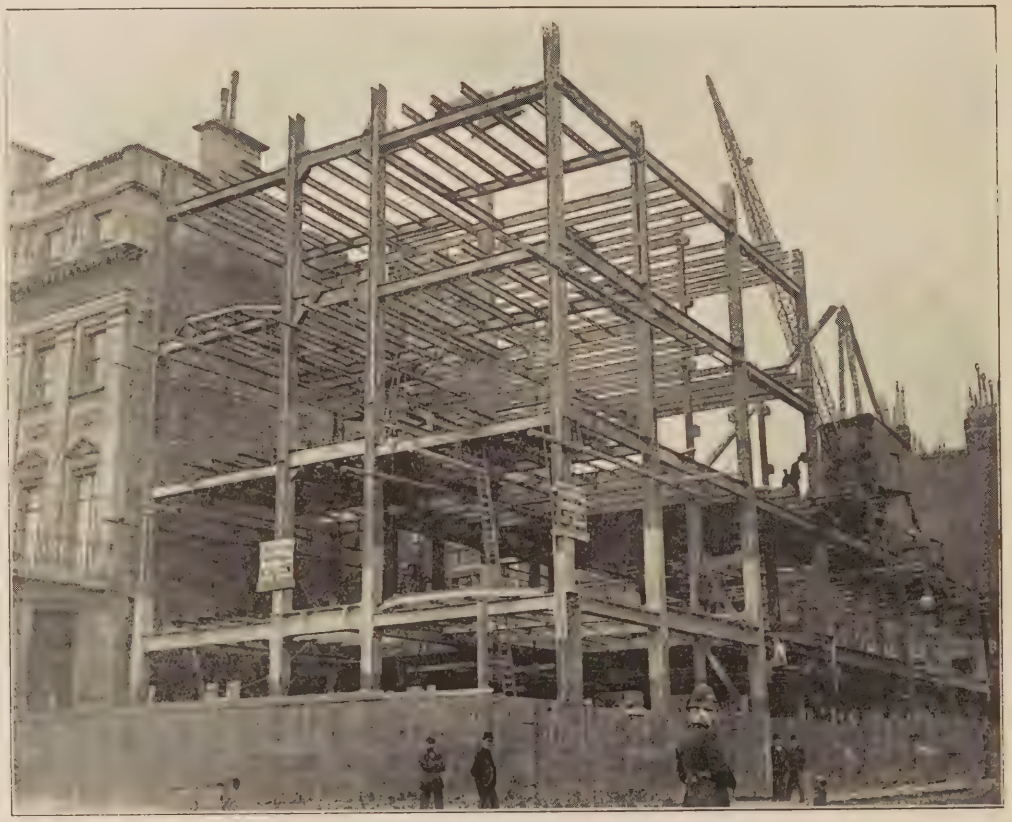

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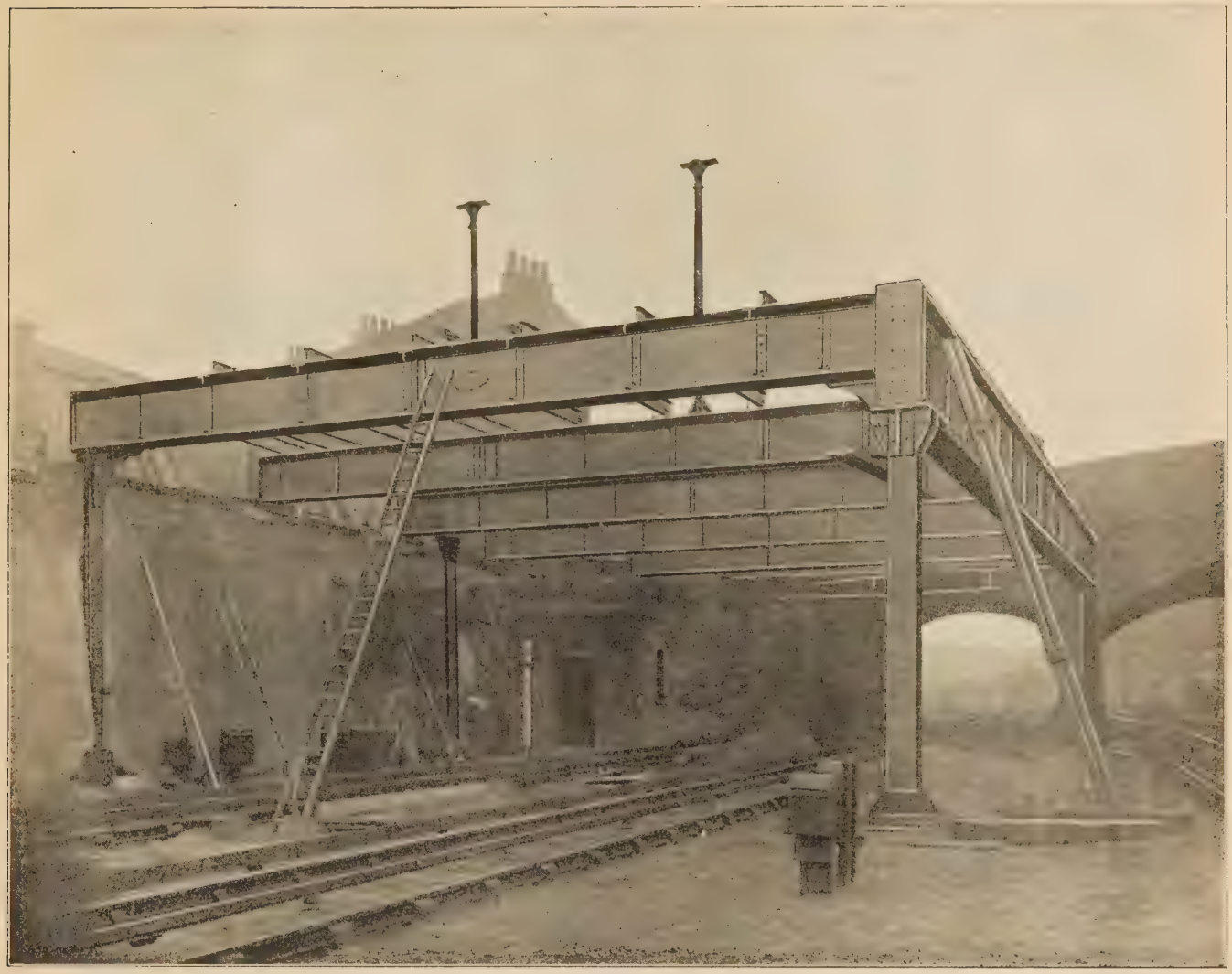

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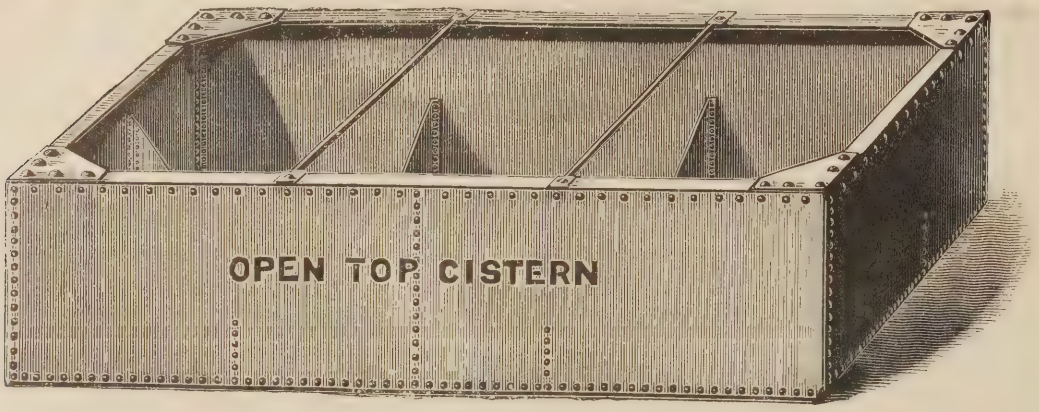

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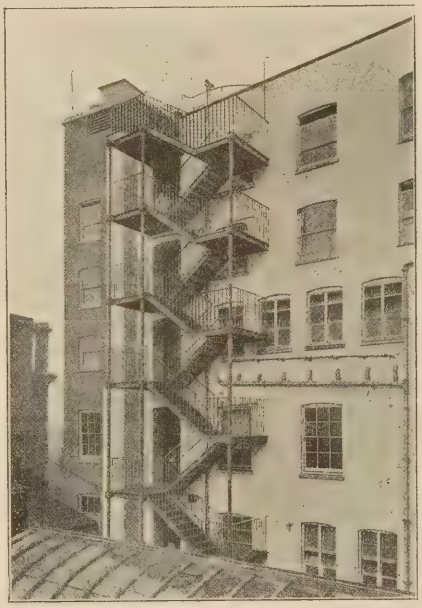

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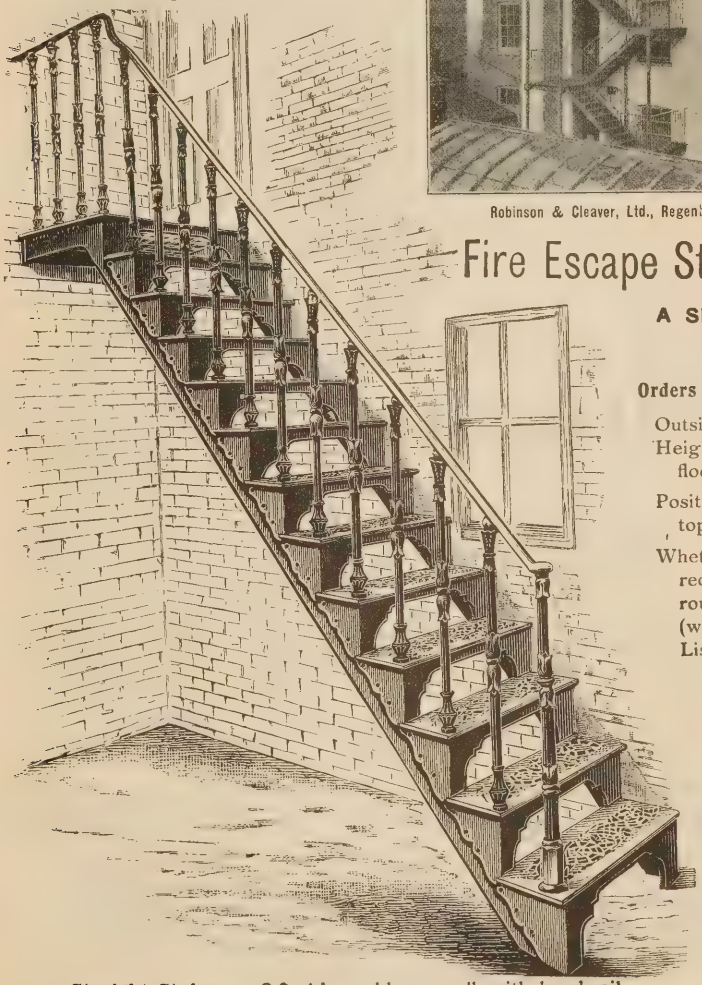

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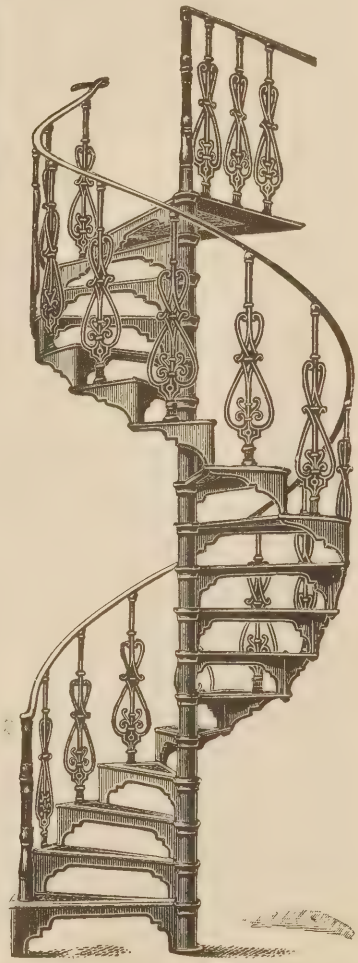

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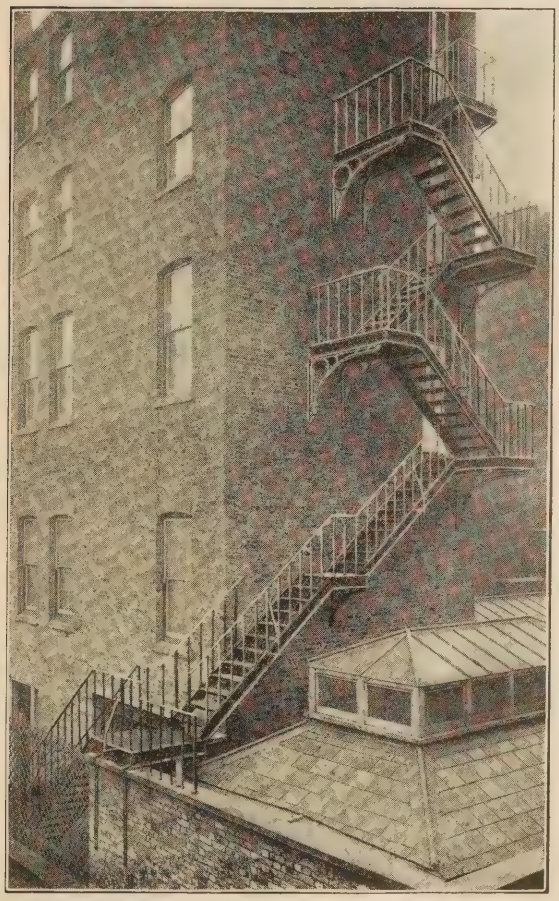

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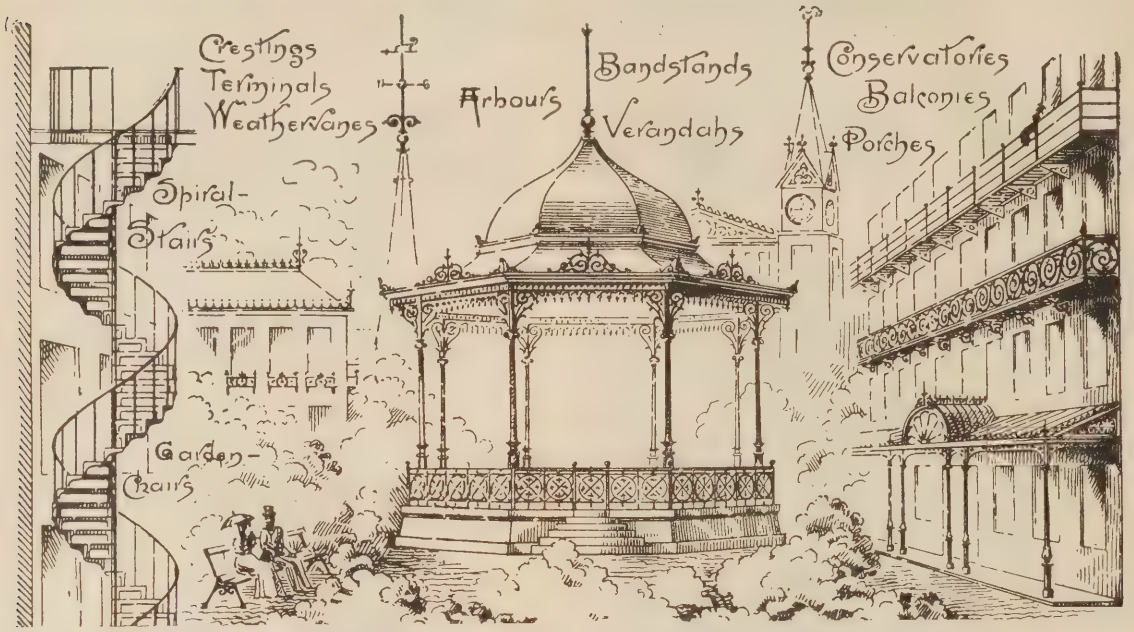

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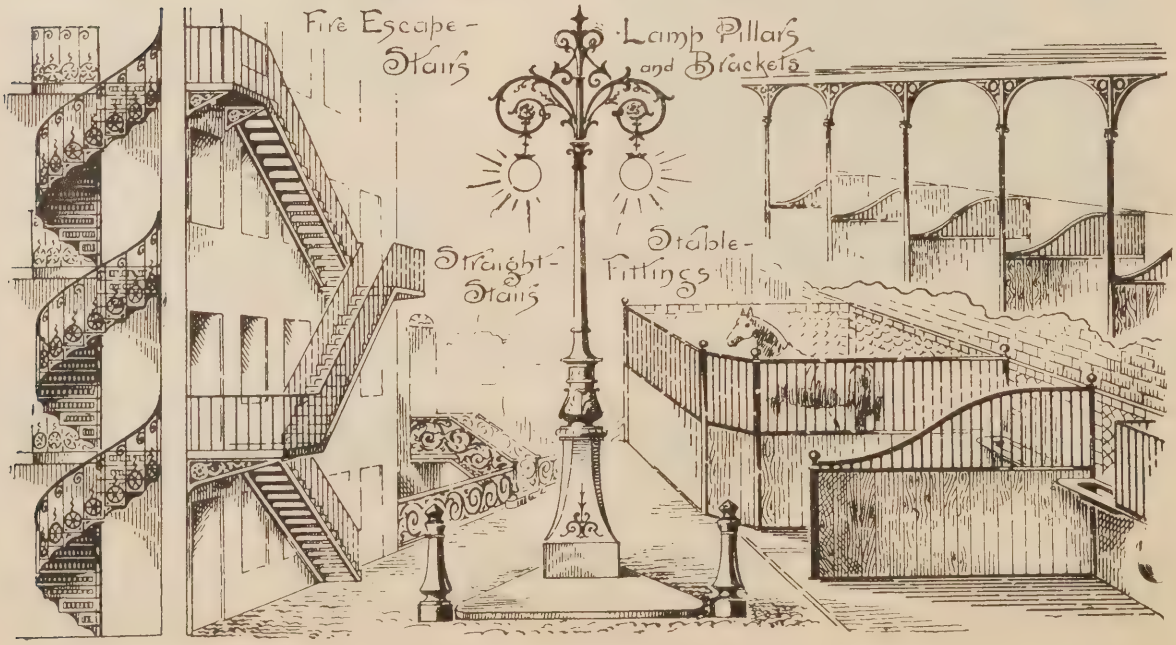

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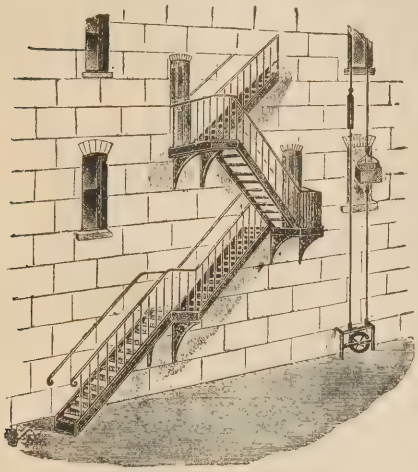

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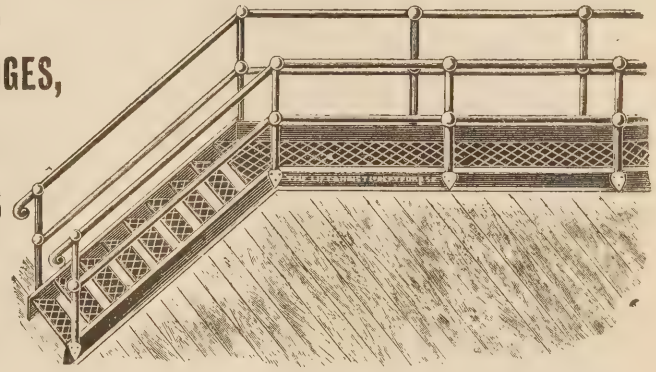

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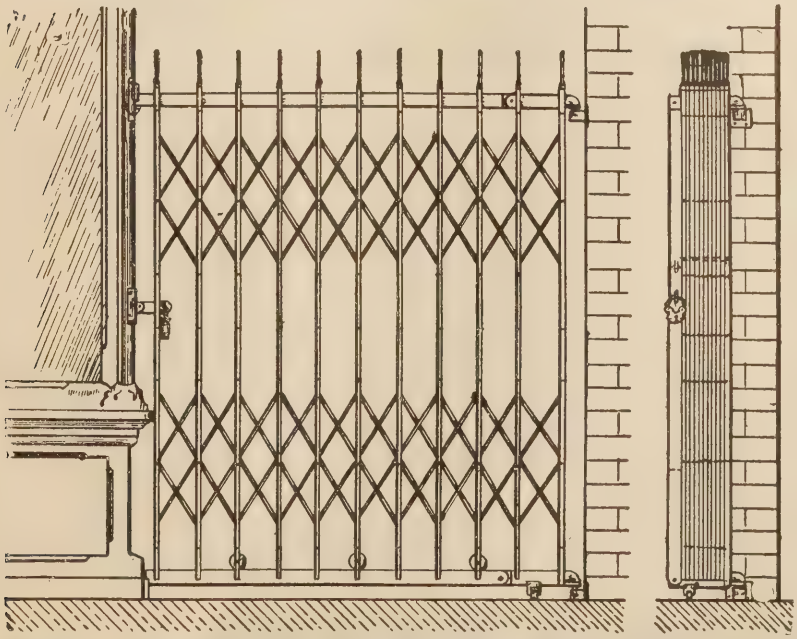

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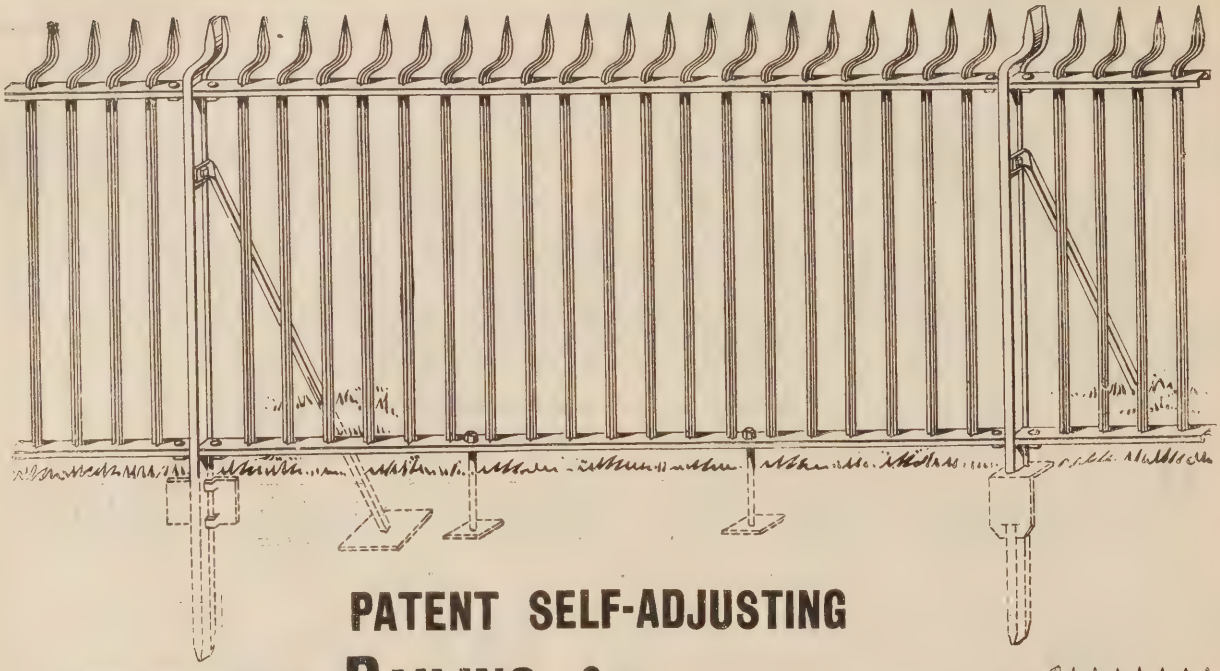

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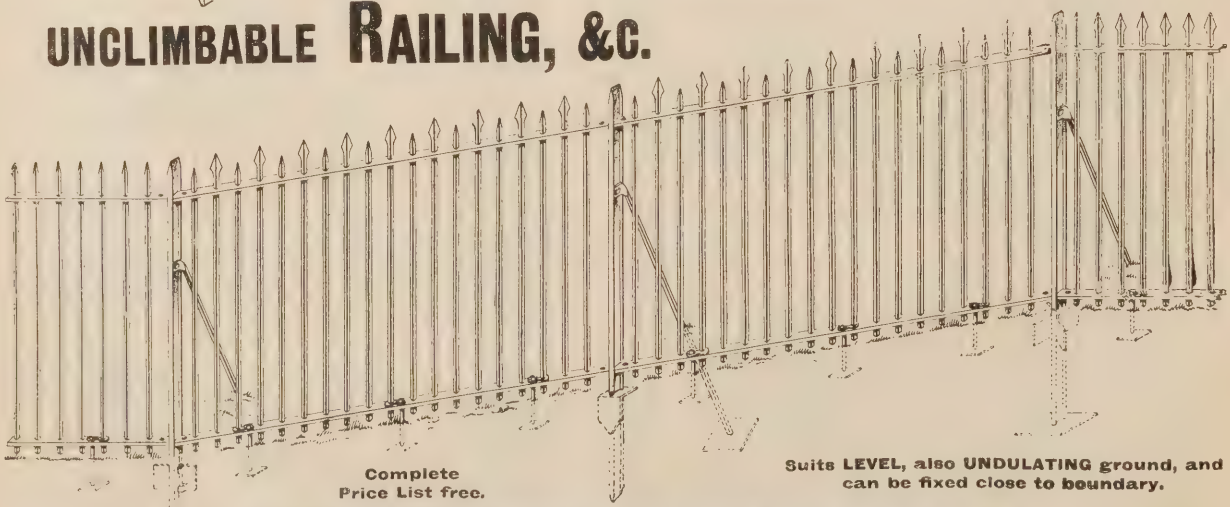

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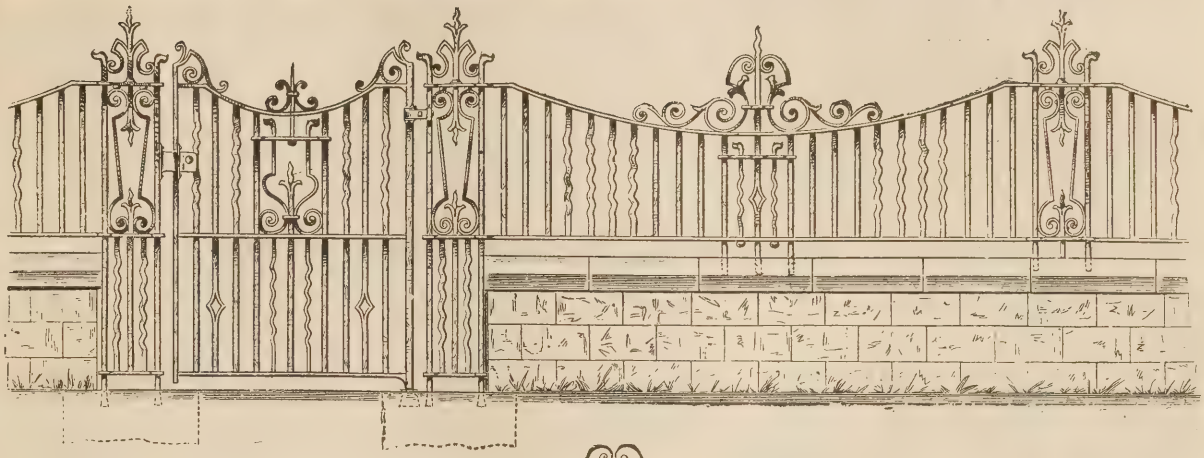

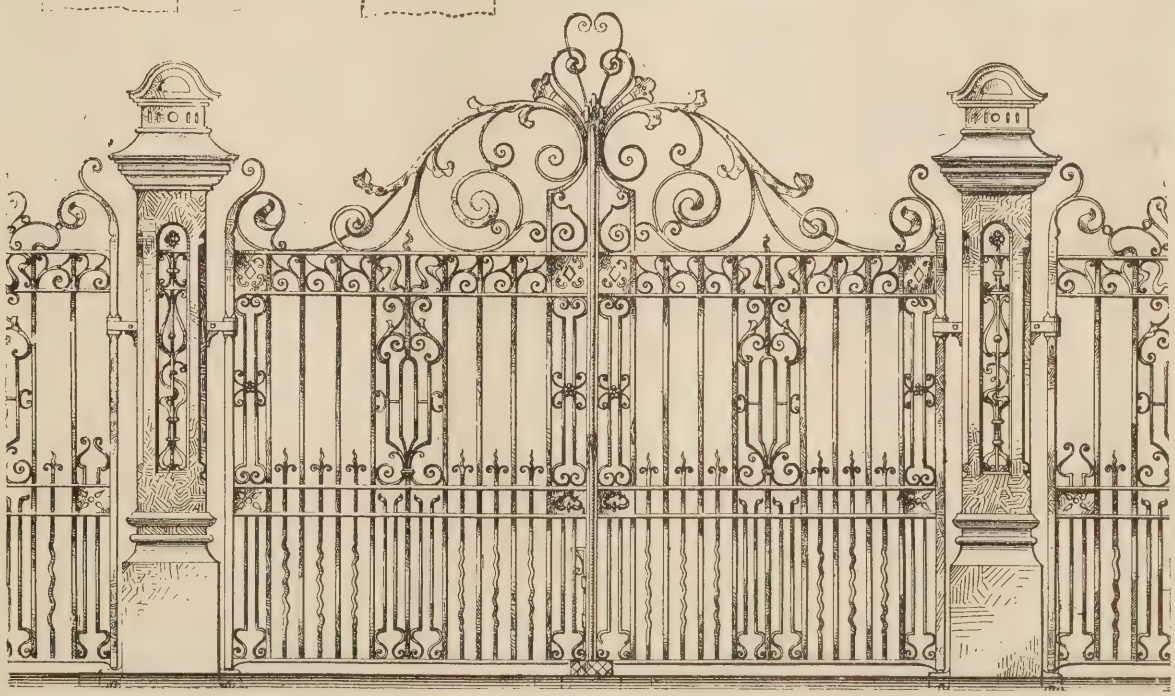

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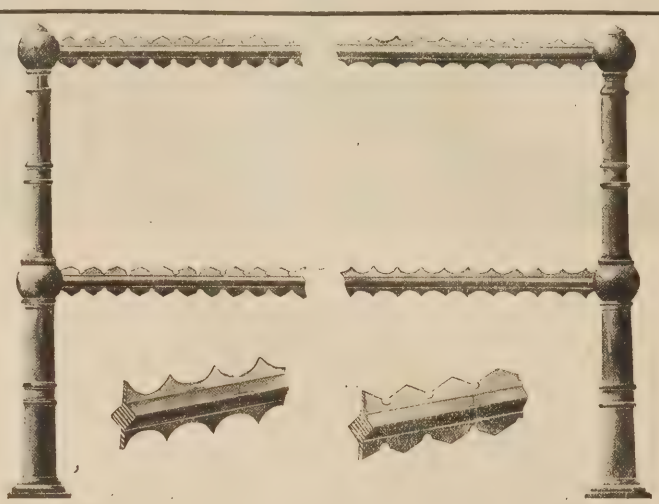
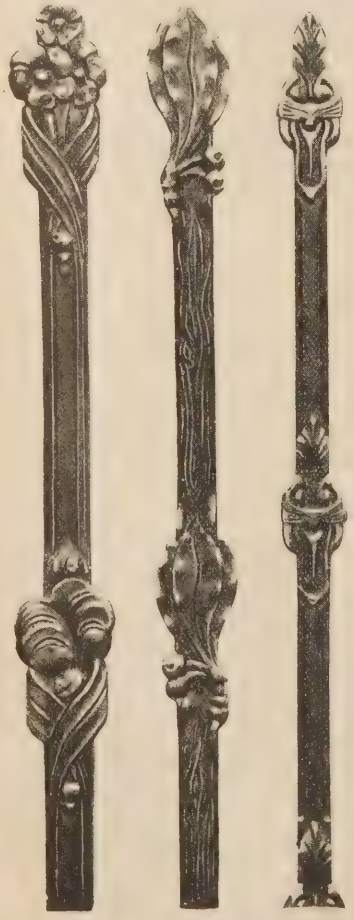
Further designs and prices on receipt of requirements.





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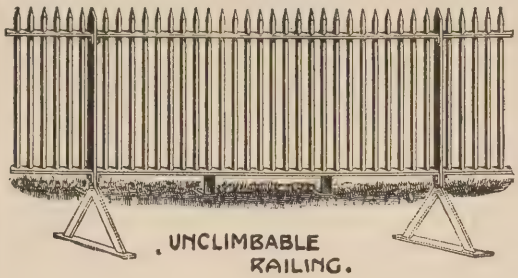
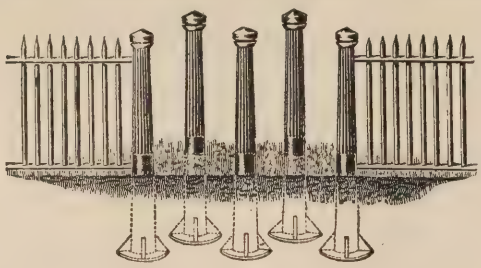
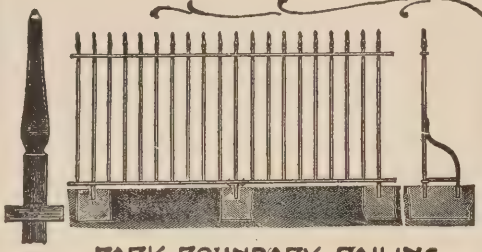


UNCLIMBABLE RAILING.



FOOTPATH POSTS STILES &c.

WRO^T IRON TREE GUARD.



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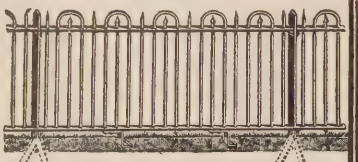
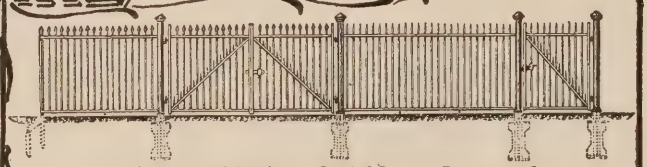
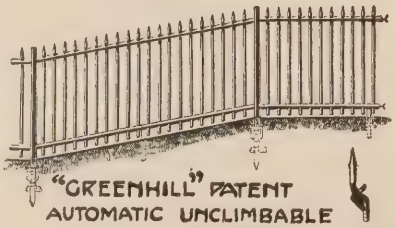


COTTAGE RAILING.

VILLA RAILING & GATES.

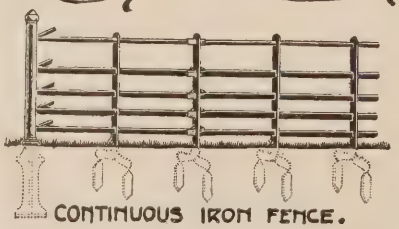


UNCLIMBABLE GATES & RAILING.

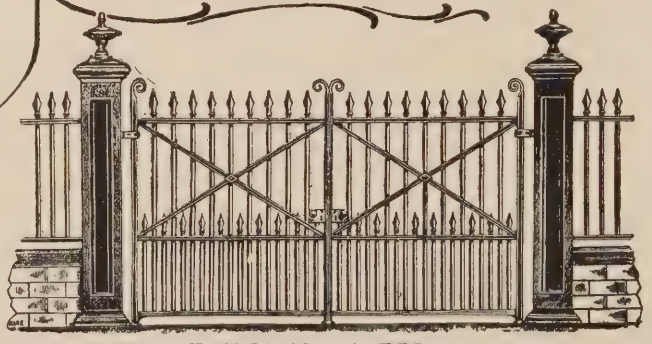


"GREENHILL" PATENT AUTOMATIC UNCLIMBABLE RAILING.

WRO^T IRON TREE GUARD.



CONTINUOUS IRON FENCE.



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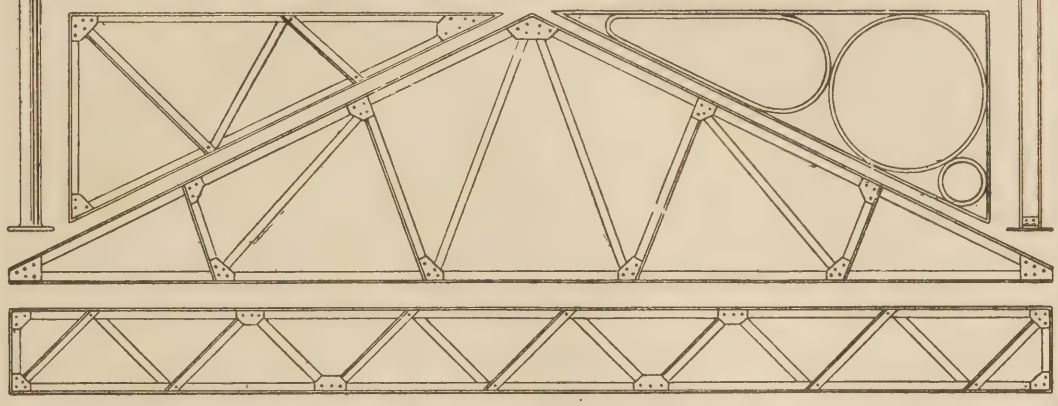

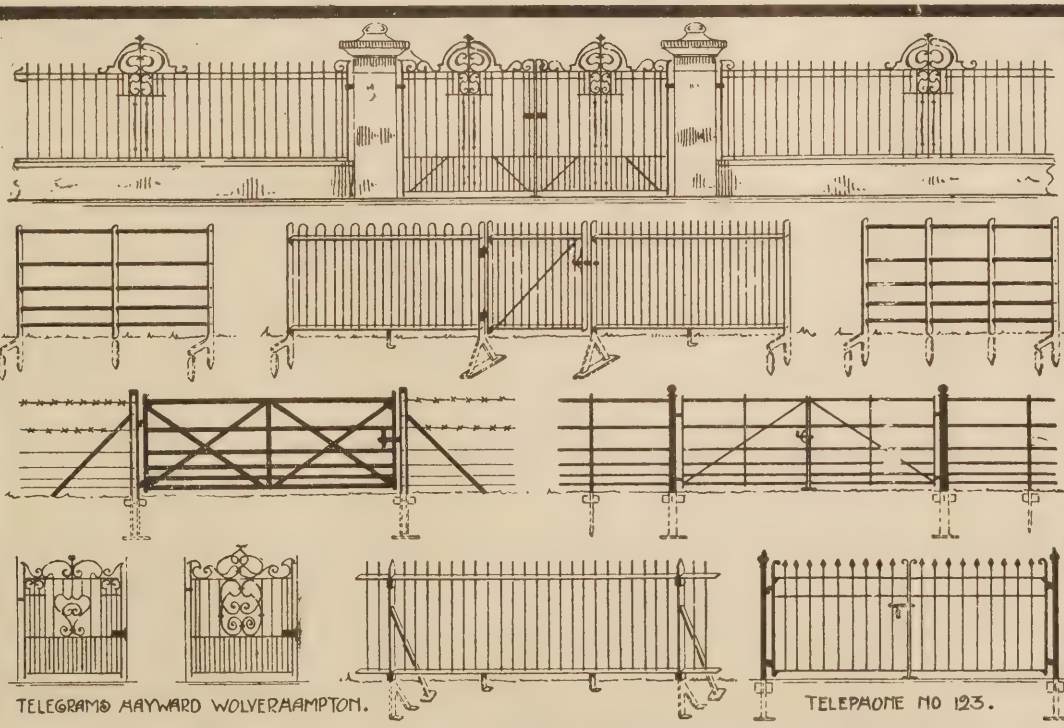

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Light Portable Collapsible Gates for Shops, self sustained, without tracks, for 122 centimetres opening and 137 centimetres high, similar to 18,931, from **£5 10s.**

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Some PUBLIC PLACES where WORRALL IRON GATES are in use and may easily be inspected.

Church, St. Mary, Barrow. Architects, Messrs. Pugin & Pugin, London.

St. David's Church, Bangor. Architects, Sir A. Blomfield, A.R.A., F.S.A., London.

Central Technical Schools, Liverpool. Architect, E. W. Mountford, F.R.I.B.A., London.

Scotsbridge House, Rickmansworth, London. Architects, Messrs. Gordon and Gunton, London.

Girls' High School, Monmouth. Architect, H. Stock, F.R.I.B.A., London.

Parr's Bank (Lift Gates), Liverpool. Architects, R. Norman Shaw, R.A., London, and Messrs. Willink and Thicknesse, Liverpool.

St. Colomb Minor Wesleyan Methodist Church, Redruth, design based on No. 18,042, page 14, Catalogue 1906. S. Hill, Esq., Architect.

Hargate Hall, Millersdale, near Buxton, carriage entrance, design based on No. 18034, page 12, Catalogue 1906.

Turn Lea Mills, Glossop. Entrance 15 ft. wide, 7 ft. high, in two leaves.

London and Provincial Bank, St. Clears, Narberth, based on design No. 18,061, page 29, Catalogue 1906.

New Bluecoat School, Liverpool (staircase balustrade). Architects, Messrs. Briggs and Wolstenholme, and Hobbs and Thorneley.

Fair Lawn, Lytham, Entrance Gates in New Art Style. Architects, Messrs. Hinnell and Murphy, Manchester.

Parish Church, Silsden. Entrance Gates. Design similar to No. 18,933 on this page.

Rehobeth Chapel, Holywell. Gates and Railing. Architect, David Lyon, Esq., Liverpool.

Co-operative Stores, Macclesfield. Shop Gates in New Art Style. Builders, Messrs. G. Roylance and Co., Macclesfield.

Messrs. Elder's New Implement Showroom, Berwick-on-Tweed. Architects, Messrs. Gray and Nephew.

ENQUIRIES INVITED.

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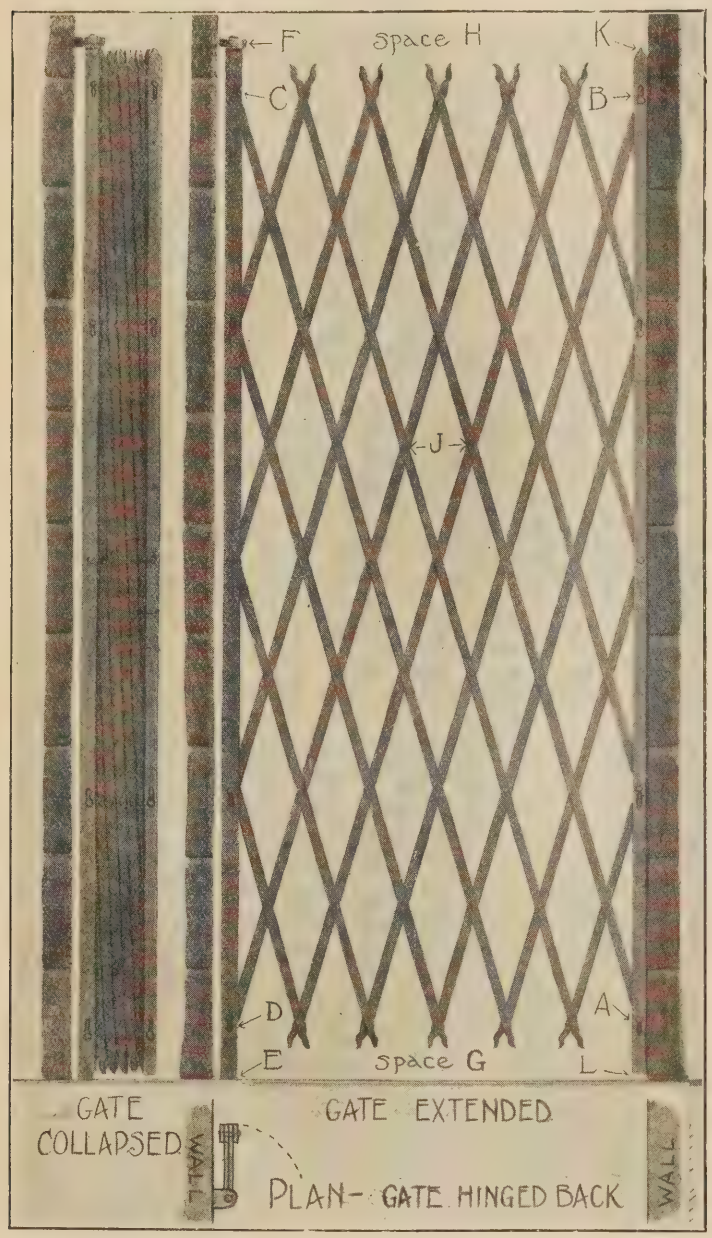
COLLAPSIBLES

Collapse into small space, made in WROUGHT IRON & STEEL, PLAIN or ELECTRO BRONZED, also DELTA METAL, BRASS, Etc.



No. 18,934.

No. 18935.

ORIGINAL PATENT,

with NECESSARY Top and Bottom TRACKS, which form part of the CONSTRUCTION.

No. 18,935. The pickets are formed of channel steel placed mouth to mouth, and it is necessary to keep the **channels clean**, so as to prevent the studs which slide in them becoming **clogged** by dust and moisture, and the setting in of rust, as the channels **cannot be painted.**

The Original Patent is made to the following specifications, and from the following **prices** per foot super. extended :—

Specification. (1) Top track permanent, bottom track permanent and sunk in floor **3/-.** (2) Top track permanent, bottom track sunk in floor, gate turns in quadrant in step. **3/6.** (3) Top track permanent, bottom track folds, gate does not turn, **3/6.** (4) Top track permanent, bottom track folds, gate turns, **3/6.** (5) Top track folds down, bottom track folds up, steel spikes or spear heads at top, and gate turns, **3/10.**

No. 18,934.

IMPROVED PATENT B

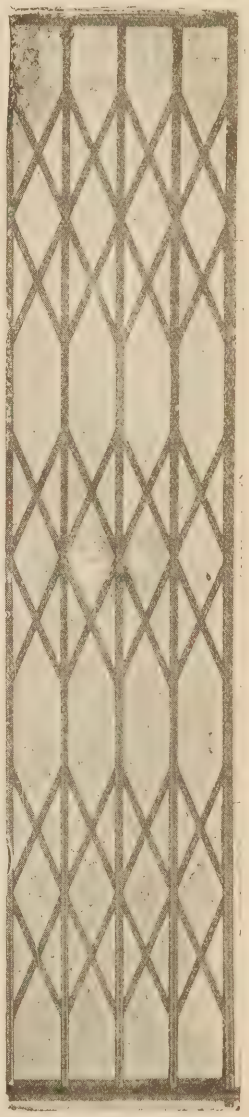
Differs from the above inasmuch as it is **self-sustained**, hence there is **no bottom track to disfigure the step** by being sunk in, or to **endanger** passengers by being let down and lifted up, and there is **no top track to limit the head room**, or to necessitate the gate being carried full height, or **to entail upon the user the inconvenience of the track being folded down** every time the gate is hinged back. The gate consists of a rigid sheet of lattice pivotted at every intersection with **brass between** and mounted upon **specially formed styles**, F. E. K. A., which grip the studs which connect them with the lattice and yet permit them to slide and the lattice to collapse. Thus the **parts** are **all exposed**, and may be **painted**, and the gate **cannot become clogged. Gate turns**, or otherwise, as required. Price per foot super, **4/6.**

No. 18,934.

IMPROVED PATENT D.

Similar to Improved Patent B in every respect, except that the point K is furnished with pulley which runs upon overhead guide, and gate does not turn, being **silent** in action, **working easy**, requiring **little attention, never clogging**, and having **no bottom track.** It is being adopted as the **best gate for passenger lifts**, and also for **covered openings** of **extraordinary area.** Price from **3/4** per foot super.

A Typical Example of this gate is in use by H.M. Government entrance to Dock Premises, Singapore. Opening 9 metres, height 3 metres.



No. 18,935.

Typical Examples of the Collapsible Gate, Worrall Improved Patent B, self-sustained without tracks.

Messrs. Trickett's Slipper Works, Waterfoot. Opening 4 metres in one leaf, and 2 metres high.

East Grinstead Gas and Water Co.'s Office. Opening 2 metres, height 3 metres 5 decimetres. Architects, Messrs. Fagg and Gribble.

Greenhouse's Implement Works, Bishop's Castle, Shropshire. Opening 3 metres in one leaf. Increases space for implements.

Seacombe Ferry, Cheshire. Opening 3 metres in one leaf. No other gate would suit.

St. Martin's Hall, Liverpool. Opening 2 metres. Gate follows line of arch 3 metres high.

Mr. Murray's Garden Entrance, Rangoon. Opening 3 metres.

12, Khetwady Lane, Bombay. Opening 4 metres 5 decimetres. Height 2 metres.

Naval Architects are referred to :—

H.M.S. Dreadnought. | S.S. Empress of Ireland.
S.S. Empress of Britain. | S.S. Warwickshire.
S.S. Lanfranc. Where these trackless gates are in use.

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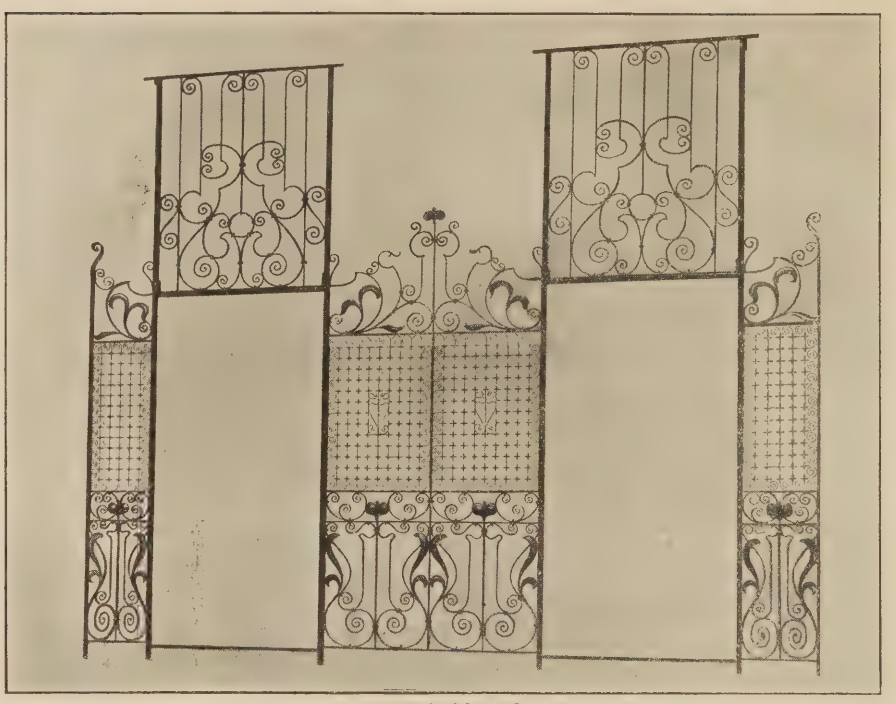

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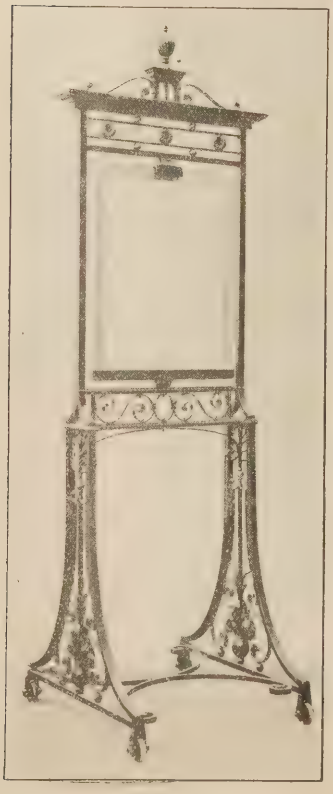

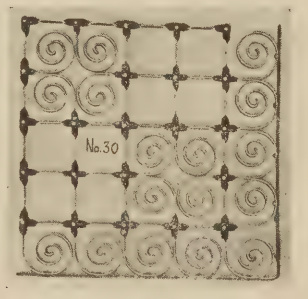

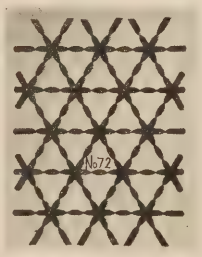

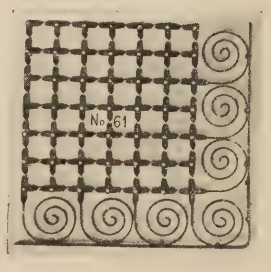

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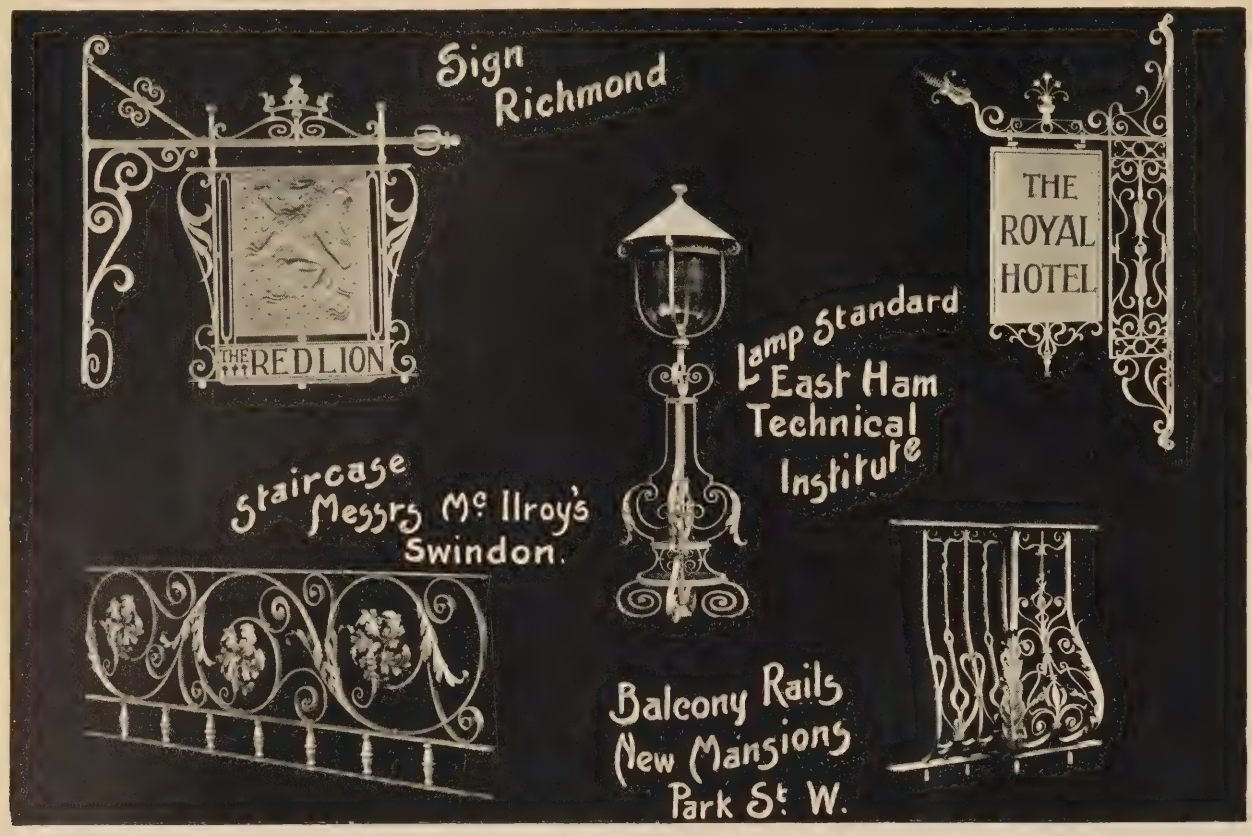

Further Designs and Estimates on receipt of requirements.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section F.

Fireproof Construction.
Fireproof Doors, Safes, &c.
Fire Appliances.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Adamant Co., Ld.	127
British Luxfer Prism Syndicate, Ld.	128
Gardiner, Sons & Co., Ld.	132, 133
Havelock Patent Plaster Partition Co.	128
Hayward Bros. & Eckstein, Ld.	138
Hobbs, Hart & Co., Ld.	134—137
Hodkin & Jones, Ld.	130
Jones, F., & Co.	128A—128D
King, J. A., & Co.	129
Lift & Hoist Co.	138
Luxfer Prism (The British) Syndicate, Ld.	128
"Mack" Fireproofing Co., *see King, J. A., & Co.*	
Mather & Platt, Ld.	125, 139
Price, George, Ld.	141
St. Pancras Ironwork Co., Ld.	140
Skidmore, T., & Son	139
Tann, John	146
Whitfield's Safe & Door Co.	142—145
Wright, J., & Co.	131

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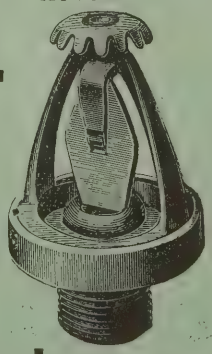

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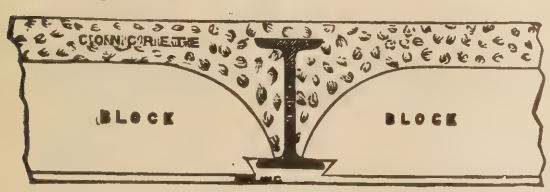

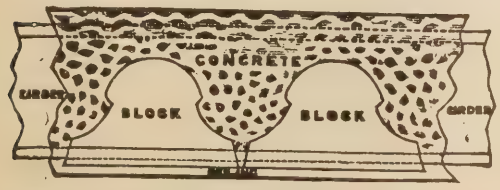

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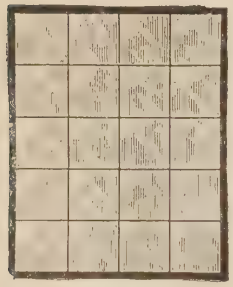
FIRE LUXFER GLAZING FOR WINDOWS & PARTITIONS. 16, HILL ST., FINSBURY, E.C. RESISTING

Completes and Makes Perfect the Fireproof Wall.



HAS BEEN TESTED TO 1500° FAHR.

In 4 in. squares of Polished Plate or other Glass it is accepted by the L.C.C. for Panels in Fireproof Teak Doors.

Approved by the Municipal Authorities and the Fire Insurance Companies.

FIRE-RESISTING LIFT AND STAIRCASE ENCASEMENTS.

British Luxfer Prism Syndicate, Ltd.,

Agencies—
GLASGOW: 67, Hope Street.
BIRMINGHAM: Winchester House, Victoria Square.
Etc., Etc.

16, HILL STREET, FINSBURY, E.C.,
LONDON, ENGLAND.

Telephone—
90, London Wall.

Telegrams—
LUXFER, LONDON.

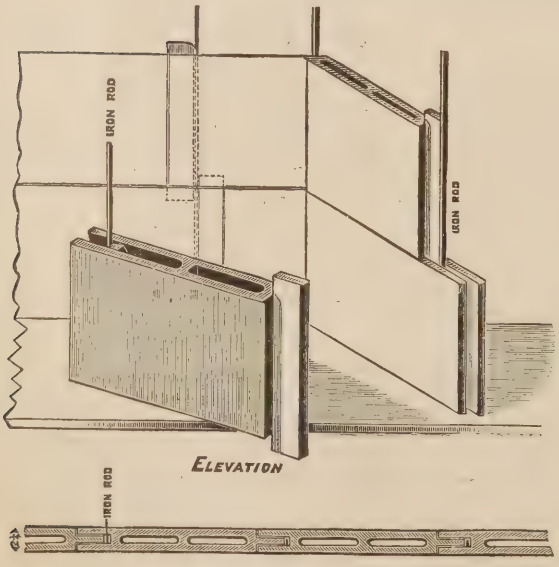
Agencies—
MANCHESTER: 29, Princess St.
NEWCASTLE-ON-TYNE:
Grahamsly & Co., Worswick St.
Etc., Etc.

Telegrams: "PLASTIPAR, LONDON." Telephone: 9263 LONDON WALL.

THE "HAVELOCK" PATENT PLASTER PARTITION,

Only 2½in. in thickness when finished,

DRY, VERMIN PROOF, FIRE-PROOF, SOUND PROOF.



Contractors to H. M. Government.
Works and Sidings at Sheffield. Large Stocks Held.
The Lightest and Strongest Partition on the Market. See Tests.
No Supporting Iron Rods are Required for Heights less than 15 ft.

A COMMON-SENSE, PRACTICAL FORM OF PARTITION.

Both sides have a scored surface to receive thin skimming Coat.

These Partitions can be built up on ordinary wood floors. Weight 8 lbs. per superficial foot. (4½in. brickwork plastered both sides, weighs 50 lbs.)

NAILS CAN BE DRIVEN IN FOR SECURING WOOD-WORK OR PICTURE HOOKS.

PRICES.—Fixed complete from **5s. 6d.** per superficial yard.

Manufacturers of FIBROUS PLASTER FIRE-PROOF SLABS FOR CEILINGS.

A Large Stock of Dry Slabs always on hand, 1s. per superficial yard.

THE HAVELOCK PATENT PLASTER PARTITION CO., 63, FINSBURY PAVEMENT, E.C.

Fredk. JONES & Co's

IMPROVED "Hercules" FIREPROOF

PARTITIONS

Features.—TOUGHNESS, SIMPLICITY, SOUND-RESISTENCY, EXCELLENCE of "KEY" for PLASTERING, LIGHTNESS

Thicknesses: 1½, 2, 2½, 2¾, 3 and 4 inches.

Lengths: 3, 4, 4½, 6 and 7 feet. **Depth 1 ft.**

Prices: From 2s. per yard super, according to requirement.

12, Perrin St., **KENTISH TOWN,** London, N.W.

'Phone No. 675 North.

A NOVELTY IN BUILDING CONSTRUCTION

Perfect Joints

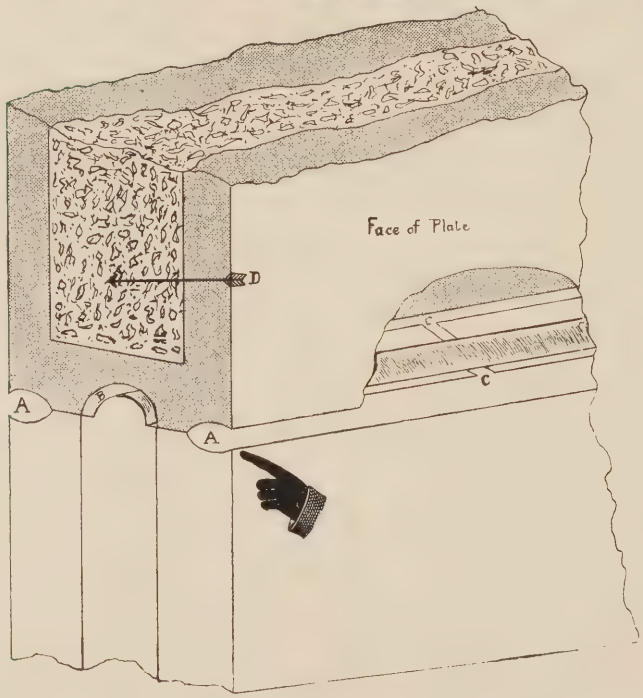
IN PARTITIONS CONSTRUCTED OF SMOOTH-FACED SLABS

Fred^k. **JONES** & Co's

Patent SMOOTH-FACED

WALL PLATES

Require no Plastering.



A represents Patent Joint.

B represents longitudinal channel along which plastic "grouting" runs.

C represents channels or arms which feed Patent Joint with "grouting."

D represents tough hard core which holds nails like wood; face of Plate consists of Plaster of Paris.

Jones' Patent Joint completely overcomes objections against square or other joints.

ERECTION UNDERTAKEN AND GUARANTEED AS WELL AS SUPPLY.

Size: 3′ 0″ × 1′ 0″ **Thicknesses:** 2″, 2½″, 3″ & 4″ **Price:** from 2/6 per sq. yd.

12, Perrin Street, **KENTISH TOWN,** London, N.W.

Fred^k. JONES & Co's

CONCRETE

Partition Blocks

Thicknesses: 2, 2½, 2¾ and 3 inches.

Size: 2′ 3″ × 1′ 0″ Other Sizes to order.

N.B.—Manufactured from British Minerals and by English Labor.

No waiting arrival of Cargoes from Abroad.

FEATURES:

Absolute Rigidity. Moisture Resistant.

CAN BE ERECTED BEFORE DOOR FRAMES, &c., ARE PLACED IN POSITION.

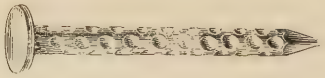
Self Supporting. Excellent "Key" for Plastering.

No grounds or Plugging necessary for fixing Skirtings, &c.

12, Perrin Street, KENTISH TOWN, N.W.

Fredk. JONES & Co's

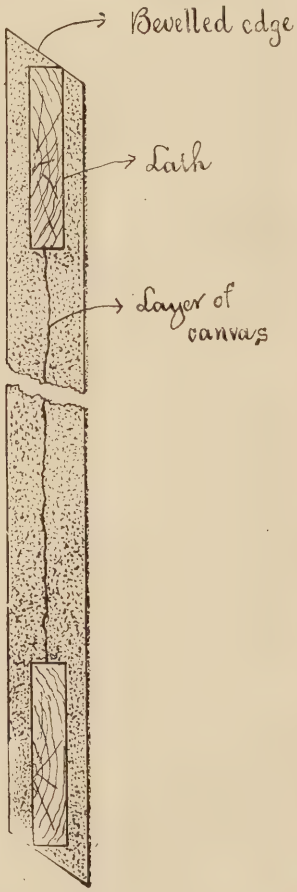
Fibrous Plaster Ceiling Slabs



Sizes: 3′ 0″, 3′ 3″, 3′ 6″, 3′ 9″ & 4′ 0″ **x 2′ 6″**

Thicknesses: ½, ⅝ and ¾ inch.

Prices: From 10d. per sq. yd.



Section of Fibrous Plaster Slab (exact thickness).

Features:

Fire-resisting
Non-cracking
Quick-drying
Rapid plastering

Best and Cheapest substitute for lath and plaster without the disadvantages of the old system.

Supplied with "keyed" surface for finishing coat, or with smooth surface which only necessitate Slab joints being stopped.

ALSO • • • • • • • •

CEILING SLABS reinforced with wire netting

SIZES: 2′ 4″ × 2′ 6″; 3′ 0″ × 2′6″

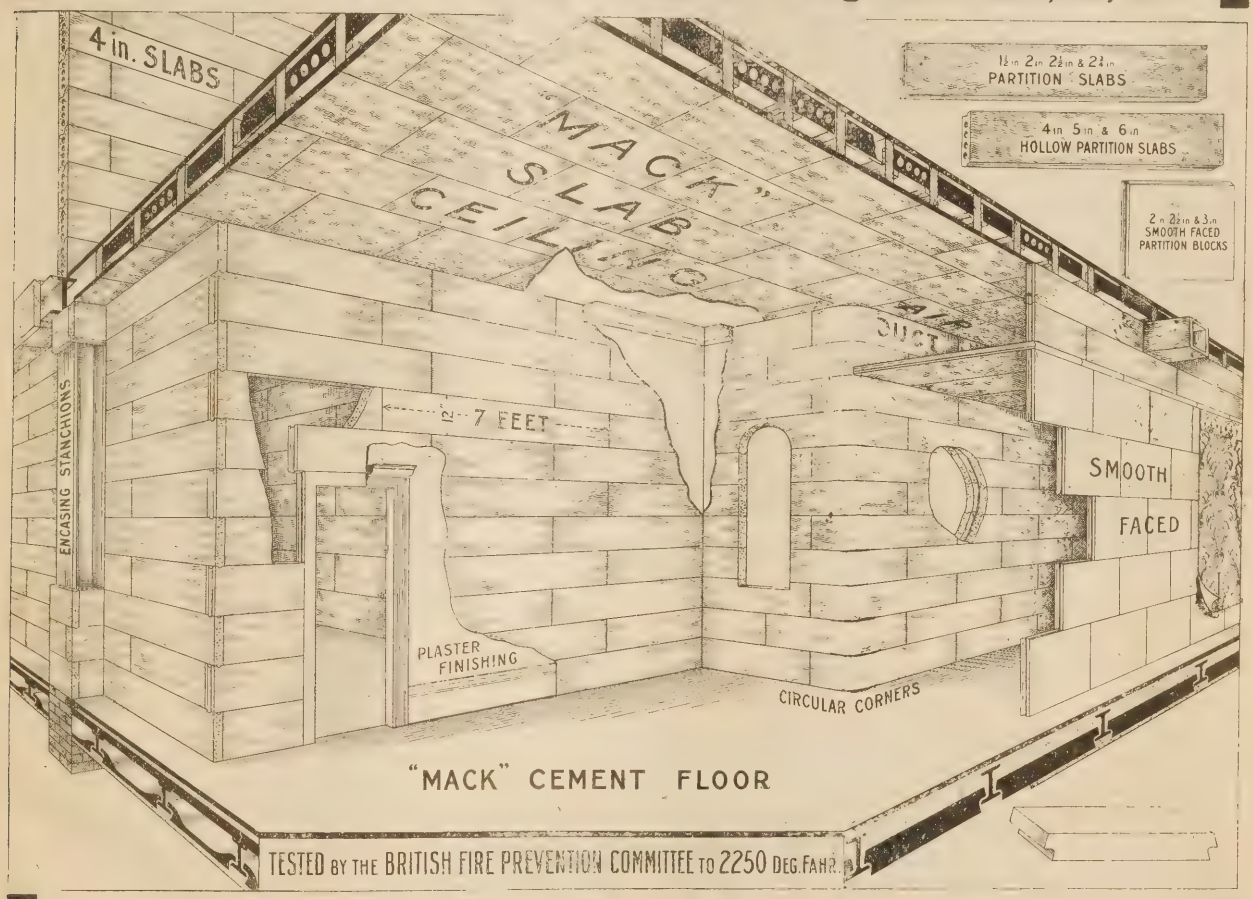
12, Perrin Street,
KENTISH TOWN, N.W.

FIRE, SOUND, "MACK" VERMIN PROOF.

PARTITIONS,

CEILINGS, PUGGING.

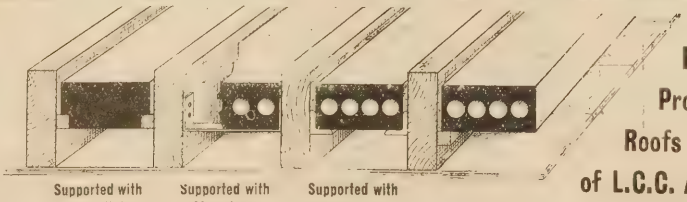
Fireproof Floors, Roofs and Roofing, Partition and Ceiling Plaster Slabs, &c., &c.



SPECIALTY:

5-in. FIREPROOF PUGGING BLOCKS.

(Hollow or Solid as required.)



For Fireproofing Projecting Shop Roofs to requirements of L.C.C. Amendment Act.

ADOPTED by H.M. OFFICE OF WORKS, WAR OFFICE, ADMIRALTY, L.C.C. and LEADING ARCHITECTS.

STRONGEST PARTITIONS & CEILINGS MANUFACTURED.

No Iron Rods or Supports of any kind required.

("Mack" Fireproofing Co.)

Works:
HAYES, MIDDLESEX,
RAWCLIFFE, YORKS.

J. A. KING & CO.

181, Queen Victoria St.,
LONDON, E.C.
TELEPHONE: 773 CENTRAL,
TELEGRAMS: "KINOVIQUE, LONDON."

FIRE RESISTING FLOORS.

THE PATENT

CORRUGATED-BAR

SYSTEM.

Simplicity of Construction. Steel entirely encased.
Maximum strength of Steel. Concrete of Highest quality.
Better Grip of Concrete. Absence of Cracked Soffites.
Cheapest System obtainable. No broad Flanges for fire to attack.

HODKIN AND JONES, LTD. Havelock Bridge Works, SHEFFIELD.
63, Finsbury Pavement, LONDON.

Builders' Announcements,

Commencing on page 347, showing the class of work various Building Firms are accustomed to undertake, are a valuable guide to Architects when placing contracts for the erection of Buildings, &c.

WRIGHT'S "FIXING" BUILDING BLOCKS.
J. WRIGHT & Co. NEW MALDEN SURREY. ONLY ADDRESS

J. WRIGHT & CO.'S BUILDING AND PARTITION BLOCKS

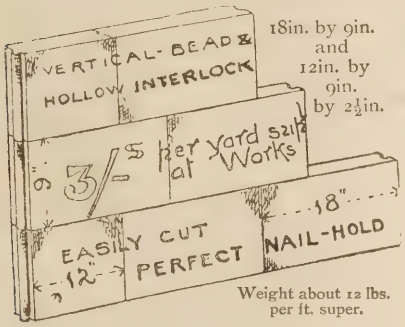
POSSESS THE FOLLOWING ADVANTAGES:

They combine LIGHTNESS with STRENGTH, being made with BEST PORTLAND CEMENT.

They are eminently FIRE AND SOUND RESISTING; have a perfect NAIL AND SCREW HOLD; can be quickly finished with one coat of Plaster; are easily cut with Saw or Trowel.

They build with thinnest possible joints of Gauged Putty.

They are rapidly erected and are perfectly Rigid without Irons.



Weight about 12 lbs. per ft. super.

SIMPLICITY IN CONSTRUCTION—ECONOMY IN TIME, SPACE, AND COST.

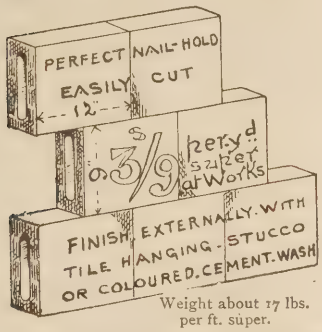
SOLID 2½-in. PARTITION BLOCKS,

WITH VERTICAL BEAD AND HOLLOW INTERLOCK.

These Blocks form perfect Partitions in all cases where Economy of Space is a special desideratum, and are specially adapted for Hospitals, Flats, Offices, &c., as well as for ordinary Dwelling Houses.

All Joiners' work can be nailed direct to Partitions, thus obviating the necessity for Plugs, Grounds, &c., and so further economising space.

4¼-in. HOLLOW BLOCKS (12-in. × 9-in. each).



Weight about 17 lbs. per ft. super.

These Blocks make specially strong **Fire and Sound-resisting Partitions,** and being easily rendered **Weather-proof** by a simple application of Cement Wash, or more artistically finished with half Timber and Rough Cast, Weather Tiling Faience Work, etc., are also eminently adapted for

LIGHT EXTERNAL WORK,

such as Bungalows, Pavilions, Motor Garages, Workshops, Sheds, Agricultural and Horticultural Buildings, etc., or for Filling generally in connection with Steel-framed Structures. Iron Stanchions and Ties can be easily inserted to take collected strains if desired.

N.B.—These Blocks were recently specially selected by H.M.'s Office of Works for the construction of Custom House Dock Sheds.

Among a few of the more important buildings where WRIGHT'S BUILDING AND PARTITION BLOCKS have been lately used with entire satisfaction may be mentioned:

H.M.'s Office of Works at Custom Houses, S.W.; India Docks, Thames Street, E.C. (for external as well as internal work); Waterloo Barracks, Tower of London, E.C.; Royal Mint, E.C.

J. Lyons & Co. at the "Popular" Restaurant, Piccadilly (used throughout as background for Marbles and Mosaics, as well as for Partitions generally); also at their other numerous Restaurants—Bond Street, Holborn, Oxford Street, etc.

Extensive Residential Mansions at Portland Terrace, Regent's Park, N.W., under F. Elgood, Esq., where they were specially selected after being tested on Site in competition with other Partitions.

Grand Hotel, Northumberland Avenue; Eton College (T. E. Collcutt, Esq.); Thackeray Hotel, W.C. (Fitzroy Doll, Esq.); Offices of the "Gentlewoman," Long Acre; Ritz Hotel, Piccadilly, W.; Medical School, Gower Street (Paul Waterhouse, Esq.), etc., etc.

WRIGHT'S WELL-KNOWN "FIXING BLOCKS" FOR WALLS.

Wood Plugs, etc., Superseded. **Reliable—therefore Economical.**

Size 1.	9 × 4¼ × 2⅝ in., for Jamb Linings, etc.	**100s.** per 1,000
Size 4.	9 × 4¼ × 3 in.	**120s.** per 1,000
Size 7.	9 × 5⅛ × 1½ in., for Weather Tiling (in place of Battens) and for Wall Fixings in Stone Walls...	**70s.** per 1,000

Other Sizes upon Application.

WRIGHT'S DOVETAILED "FIXING BLOCKS" FOR FLOORS.

Dovetailed section, 3 in. (top) × 3 in. (deep) × 12 in. (long)—**2d.** per foot run.

Floors nailed on these Dovetailed Blocks, and laid in courses end to end on Concrete Bed, with inter-filling of strongly-gauged Cement or Tar Concrete—thus minimising risk of Dry Rot—have all the advantages of Solid Wood Block Flooring at about **Half the Cost.** Very superior to Boarding direct to ordinary Breeze Concrete.

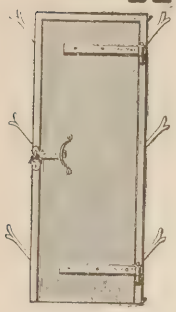
BOARDING NAILED TO THESE BLOCKS CANNOT SPRING.

N.B.—All Wright's Blocks are made of Best Portland Cement—NOT Plaster. All Prices are quoted nett, F.O.R. New Malden.

GARDINER, SONS & Co., LTD.,

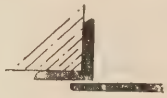
Telephone, 867. **NELSON STREET AND MIDLAND IRONWORKS, BRISTOL.** Telegraphic Address, "Gardson's, Bristol."

IRON WAREHOUSE DOORS.



W 1

Doors of ¼-in. plate closing on Angle Iron Frame, thus—



6 ft. 0 in. × 2 ft. 6 in., one leaf	£2 17 6
6 ft. 6 in. × 2 ft. 6 in. ,, ...	3 3 6
6 ft. 6 in. × 3 ft. 6 in., two leaves	5 9 0
6 ft. 6 in. × 4 ft. 0 in. ,, ...	5 13 6
6 ft. 6 in. × 5 ft. 0 in. ,, ...	6 1 6

Above prices include Hasp for Padlock or Bolt.

If with Angle Iron Rebates on Door thus—

One-leaf doors, **13/-** each extra.
Two-leaf doors, **24/-** ,,

Unless otherwise ordered, these doors are sent with flat cill to let into floor as shown on W 3.

Two-leaf Doors have two bolts on the leaf closing first.

W 2

Doors of ¼ in. plate, including Top Bar, Channel Guide at Bottom, and Hasp for Padlock.

6 ft. 6 in. × 2 ft. 6 in., one leaf	£3 6 6
6 ft. 6 in. × 3 ft. 0 in. ,, ...	3 13 6
6 ft. 6 in. × 4 ft. 0 in., two leaves ..	5 19 6
7 ft. 0 in. × 5 ft. 0 in. ,, ...	6 14 0

If with Interlocking Frames to sides and top thus—

One-leaf doors **25/-** ea. extra. Two-leaf doors **38/-** ea. extra.

If with Angle Iron Frame to sides and top of opening thus—

One-leaf Doors, **18/-** each extra.
Two-leaf Doors, **25/-** ,,

Dimensions given are sizes of doors. Openings should be 4 in. less in width and two in. less in height.

Box handles to admit of doors being opened from either side, **2/-** per handle extra.

Strong Tee Iron Straps on doors instead of flat, **16/-** per leaf extra.

W 4

Doors of ¼ in. plate with ¼ in. panelling on one side, including Top Bar, Channel Guide at bottom and Hasp for Padlock.

6 ft. 6 in. × 2 ft. 6 in., one leaf	£3 16 0
7 ft. 0 in. × 3 ft. 0 in., ,, ...	4 7 0
6 ft. 6 in. × 4 ft. 0 in., two leaves	6 15 6
7 ft. 0 in. × 5 ft. 0 in. ,, ...	7 12 6
7 ft. 0 in. × 6 ft. 0 in. ,, ...	8 6 6

Extra if Panelled on both sides—

One-leaf doors, **16/6** each extra.

Two-leaf doors, **27/6** ,,

Above dimensions are sizes of doors. Openings should be 4 in. less in width, and 2 in. less in height.

Box Handles to admit of doors being opened on either side, **2/-** per handle extra.

If with Angle Iron Frame for sides and Top of opening thus—

One-leaf doors, **18/-** each extra.

Two-leaf doors, **25/-** ,,

If with Interlocking Frame to sides and top as W 2.

One-leaf doors, **25/6** each extra.
Two-leaf doors, **38/-** ,,

W 3

Doors ¼ in. Plate with ¼ in. Panelling on one side in Rebated Frame thus—

6 ft. 0 in. × 2 ft. 0 in., one-leaf	£4 10 0
6 ft. 6 in. × 2 ft. 6 in. ,, ...	4 19 0
7 ft. 0 in. × 3 ft. 0 in. ,, ...	5 6 0
6 ft. 6 in. × 3 ft. 6 in., two leaves	8 12 0
6 ft. 6 in. × 4 ft. 0 in. ,, ...	8 15 6
6 ft. 6 in. × 5 ft. 0 in. ,, ...	9 6 0
7 ft. 0 in. × 6 ft. 0 in. ,, ...	10 11 6

If panelled on both sides, one-leaf doors, **16/6** each extra.
Two-leaf doors, **27/6** each extra

If four panels to each leaf, **4/3** per leaf extra if panelled one side.
,, ,, ,, **8/6** ,, ,, ,, both sides.

If with Angle Iron Frame thus—

One-leaf Doors, **7/-** each extra.
Two-leaf Doors, **9/6** ,,

Above prices include Two Bolts to each leaf or strong ordinary Dead Lock.

Best 2-lever Lock, **3/-** each extra.
4 ,, ,, **5/-** ,,

Two-leaf Doors have Two Bolts on the leaf closing first.

Discounts and Quotations for Special Sizes on receipt of requirements.

For Casement and Sashes see Section **L.** **Complete Catalogue sent on application.**

GARDINER, SONS & Co., LTD.,

Telephone 867.

NELSON STREET AND MIDLAND IRONWORKS, BRISTOL.

Telegraphic Address: "Gardson's, Bristol."

FIRE-PROOF DOORS AS REQUIRED BY FIRE OFFICES' COMMITTEE.

W 12.

Doors of ¼-in. Plate, with ¼-in. Panelling on each side.

This is the only form of Iron Door which complies with the requirements of the Fire Offices' Committee.

All Sliding Doors must be Metal Covered as No. W 20.

PRICES OF W 12.

Hung in Rebated Frame, thus—

6 ft. 0 in. × 2 ft. 0 in., one leaf	each	£5 6 6
6 ft. 6 in. × 2 ft. 6 in. ,,	,,	5 15 6
7 ft. 0 in. × 3 ft. 0 in. ,,	,,	6 2 6
6 ft. 6 in. × 3 ft. 6 in. two leaves	,,	9 19 6
6 ft. 6 in. × 4 ft. 0 in. ,,	,,	10 3 0
6 ft. 6 in. × 5 ft. 0 in. ,,	,,	10 13 6
7 ft. 0 in. × 5 ft. 0 in. ,,	,,	11 14 0

Above Prices include Two Bolts to each Leaf as required by Fire Insurance Offices.

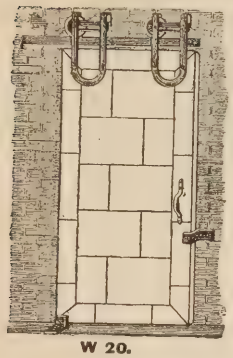
Extra if with Angle Iron Frame, thus—

One leaf doors, **7/-** each extra.
Two leaf doors, **9/6** each extra.

Doors can be made to other sizes, but One Leaf Doors must not exceed 7 ft. high × 3 ft. 6 in. wide.

Two Leaf Doors must not exceed 7 ft. high × 5 ft. wide.

If Locks required in addition to Bolts, they are charged extra, viz.:—Strong Ordinary, **6/-**; Two Lever, **8/-**; Four Lever, **10/-**



W 20.

METAL-COVERED FIREPROOF DOORS.

Sliding Door with top hangings, runner bar, fixing bolts, handle, stop, and guide complete.

For opening 6 ft. × 2 ft.	one leaf	.. ..	£3 10 0
,, 6 ft. 6 in. × 2 ft. 6 in.	,,	.. ..	4 1 0
,, 7 ft. × 3 ft.	,,	.. ..	5 1 6
,, 7 ft. × 4 ft.	,,	.. ..	5 19 0
,, 7 ft. 6 in. × 3 ft. 6 in.	,,	.. ..	5 15 0
,, 8 ft. × 4 ft.	,,	.. ..	7 3 3
,, 9 ft. × 5 ft.	,,	.. ..	10 13 0
,, 6 ft. 6 in. × 4 ft.	two leaves	.. ..	7 3 0
,, 6 ft. 6 in. × 5 ft.	,,	.. ..	9 0 0
,, 7 ft. × 5 ft.	,,	.. ..	10 0 0
,, 7 ft. 6 in. × 6 ft.	,,	.. ..	12 7 6

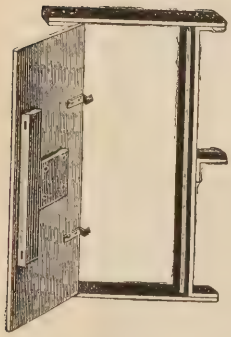
This is the only kind of Sliding Door which complies with the requirements of the Fire Offices' Committee.

Locks or Flush Handles

(to open Sliding Doors either side) extra if required.

Note.—Dimensions given are sizes of openings, doors overlapping three inches at top and at each side. If bull-nosed bricks are used on quoins, a further allowance must be made.

STRONG ROOM DOORS.



W 8.

W 8.

STRONG ROOM DOOR.

With Iron Handle, throwing two bolts secured by two-keyed powder-proof safe lock, protected by drill-proof plate. Front moulded.

W 8.	Thickness of Plate. ½ inch.	⅝ inch.
6 ft. 0 in. × 2 ft. 0 in.	£9 3 6	£10 2 0
6 ft. 0 in. × 2 ft. 6 in.	9 17 0	10 18 0
6 ft. 0 in. × 3 ft. 0 in.	10 8 0	11 10 0

W 9.

STRONG ROOM DOOR.

Made with or without Fire-proof Chamber.

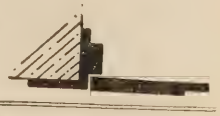
With Brass Handle throwing four bolts secured by two-keyed powder-proof lock, protected by drill-proof plate; four fixed back bolts or dogs on hinge side.

W 9.	With Lock Casing full size of door, but without Fire-proof Chamber. Thickness of outer Plate, ½ inch.	If with Fireproof Chamber in addition to Lock Chamber.
6 ft. 0 in. × 2 ft. 0 in.	£13 4 6	£15 16 6
6 ft. 0 in. × 2 ft. 6 in.	13 18 6	16 10 0
6 ft. 0 in. × 3 ft. 0 in.	14 12 6	17 5 0

If Outer Plate ⅝ in. Thick, £1 1s. extra.

Above prices are for doors with Frames, thus—

If with strong Angle Iron Frames, thus—£1 2 6 extra.



ILLUSTRATIONS AND PRICES OF VENTILATING GATES SENT ON APPLICATION.

Discounts and Quotations for Special Sizes on receipt of requirements.

For Casement and Sashes, see Section L. **Complete Catalogue sent on application.**

HOBBS, HART & Co., LTD.,

Original Manufacturers of

Bent Body Steel Safes to meet all Risks.

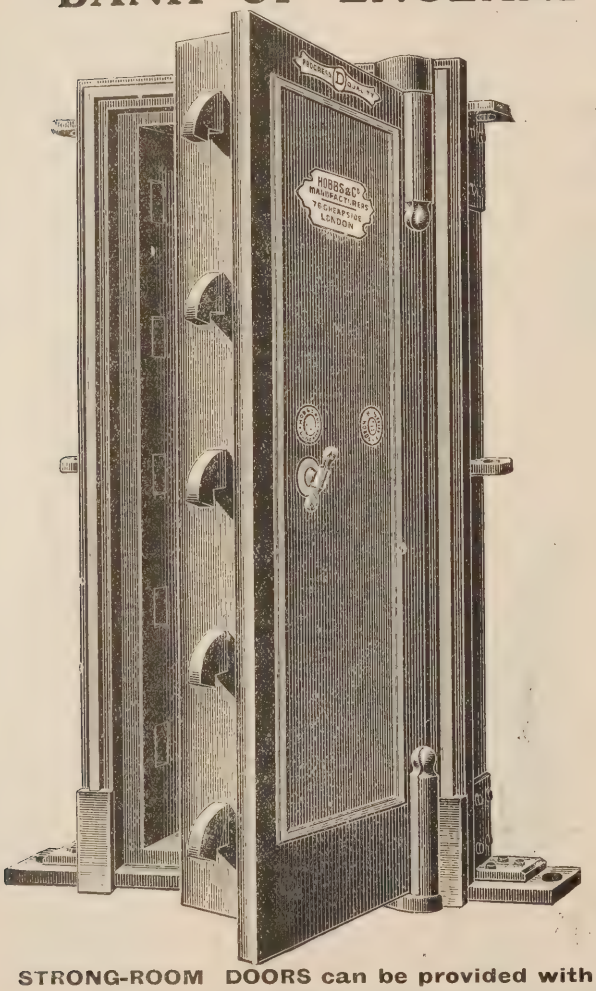
STRONG ROOM AND PARTY WALL DOORS.

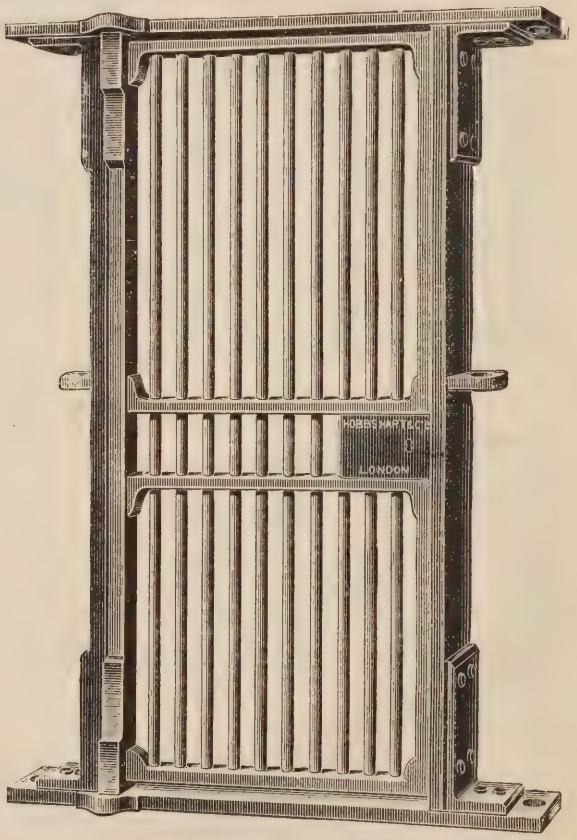
Constructors of Bullion Vault and Muniment Rooms.

Manufacturers of the

BANK OF ENGLAND TREASURY DOORS.

Quotations for FOLDING GATES and for GRILLE DIVISIONS in Strong Rooms on application.





STRONG-ROOM DOORS can be provided with HOBBS & Co.'s STEEL VESTIBULE LININGS.

☞ In ordering Strong-room Doors and Gates please state on which side of the frame they should hang.

A complete set of Caulkings for fixing in walls are supplied with each Door and Gate.

Showrooms—76, CHEAPSIDE, E.C.

General Offices and Works: **ARLINGTON STREET, ISLINGTON, N.**

SEE ALSO PAGES IN SECTION K.

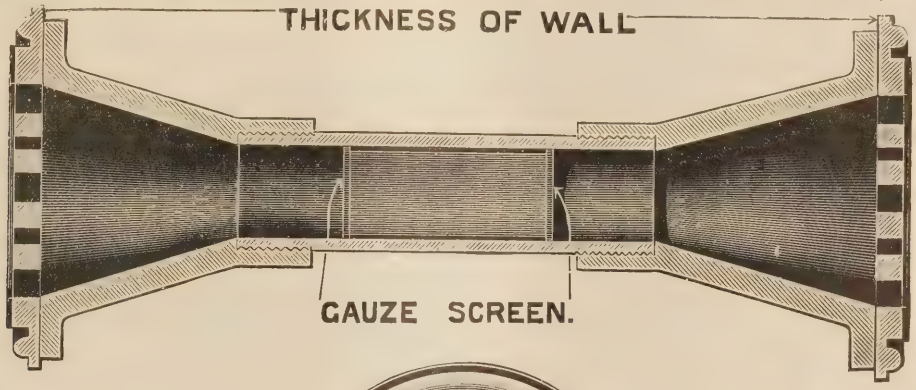
HOBBS, HART & Co., LTD.,

VENTILATION OF STRONG ROOMS.

HOBBS & Co.'s Patent Double Coned Ventilators have been designed for use in Strong Rooms and Vaults, in which it is essential to provide for a natural circulation of air, but also necessary to provide against the passage of flame in the event of a fire occurring in the vicinity of the Strong Room, The Ventilators are strongly made throughout, and are fitted with double screens of fine mesh copper gauze, as used in miners' safety lamps. These screens effectually prevent flame being carried through the Ventilator, even under the pressure of powerful currents of air.

PRICES.

For walls up to and including 18-in. in thickness, **35s.** each ; for Walls from 18-in. to 36-in. **40s.** each.



One of the end plates of the Ventilator is detachable, so that the gauze screens can be dusted and cleaned when necessary.

END ELEVATION
DRAWN QUARTER SIZE

NOTE.

The detachable end of the Ventilator should be fixed inside the Strong Room.

PLAN.

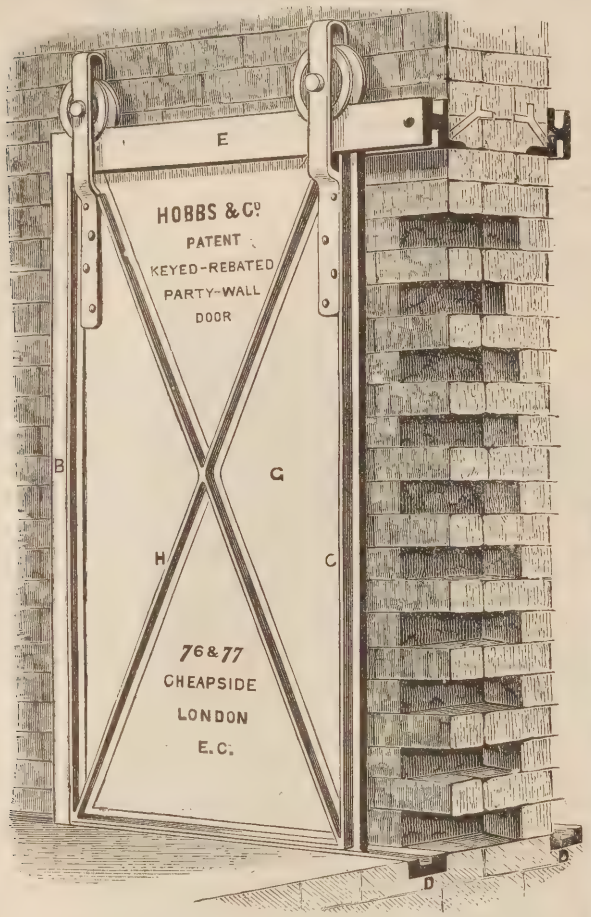
General Offices and Works: **ARLINGTON STREET, ISLINGTON, LONDON, N.**

Showrooms—76, CHEAPSIDE LONDON, E.C.

SEE ALSO PAGES IN SECTION K.

HOBBS, HART & Co., Ltd.

Sliding or Hanging Keyed Rebated Party Wall Doors.



Extract from page 70 of

HOBBS, HART & CO.'S SAFE LIST.

"STRONG ROOMS built of brick or stone or any combination of brick and concrete, in conjunction with a suitable door, while offering satisfactory resistance to fire. do not afford adequate security for bullion and negotiable securities against the attack of skilled burglars.

"To render Strong Rooms secure against this class of attack they should be lined throughout with steel, varying in strength and method of construction according to the value of the property involved and the character of the surroundings."

While strongly recommending the Keyed Rebated Party Wall Doors,

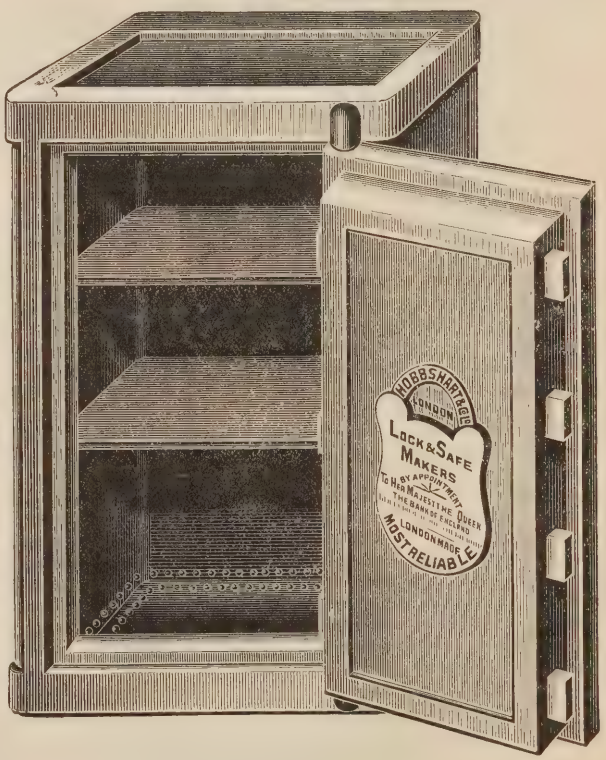
HOBBS, HART & Co.

are prepared to estimate and supply at the lowest prices

PARTY WALL DOORS

to suit every requirement.

THESE "PLATE" SAFES MAY BE FITTED UP INSIDE TO ANY DESIGN, AND TO MEET REQUIREMENTS.



A representative will be sent to any address by appointment, to advise on the subject of security of Family Plate, Heirlooms, &c., and to measure and quote for Safes of special dimensions, or for lining brick closets (which in themselves are not thief-proof) with Steel, and for fitting up same.

Showrooms: CHEAPSIDE, E.C.

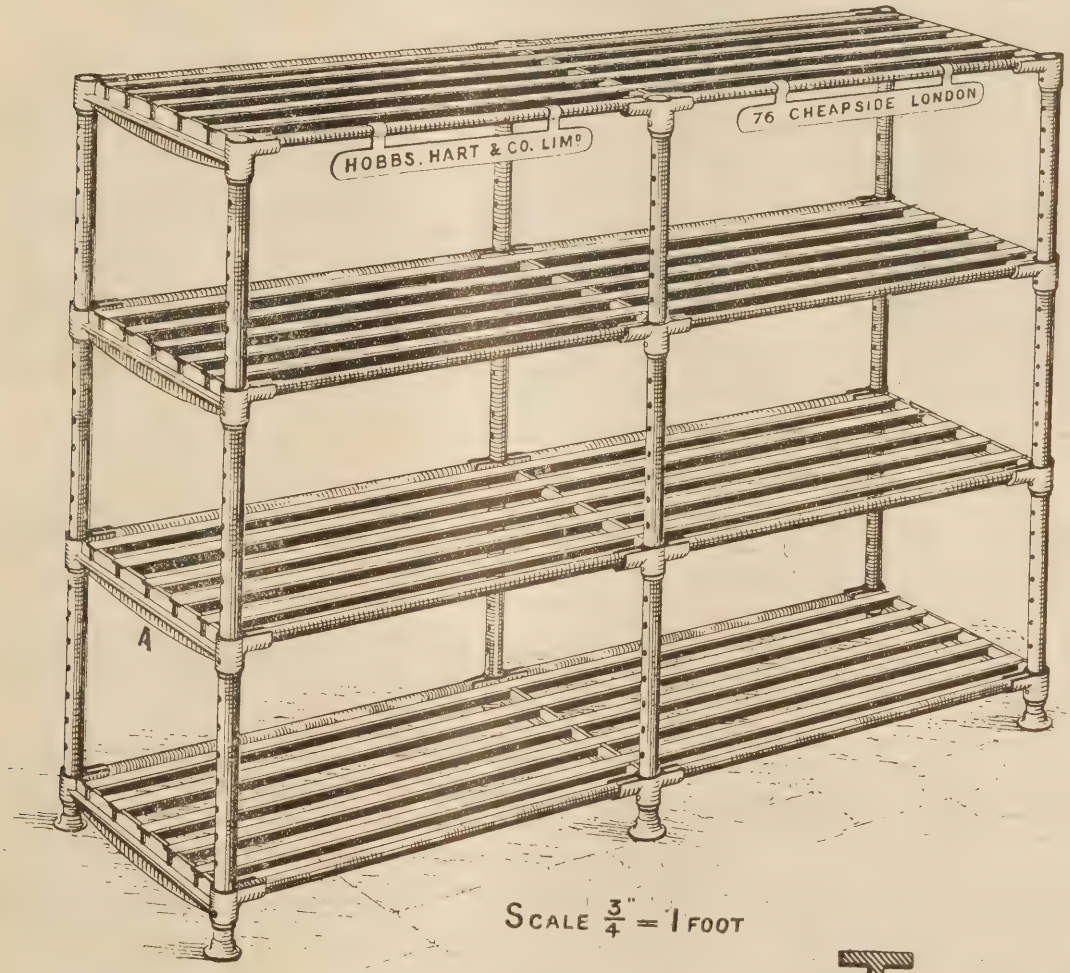
General Offices and Works:

ARLINGTON STREET, ISLINGTON, LONDON, N.

SEE ALSO PAGES IN SECTION K.

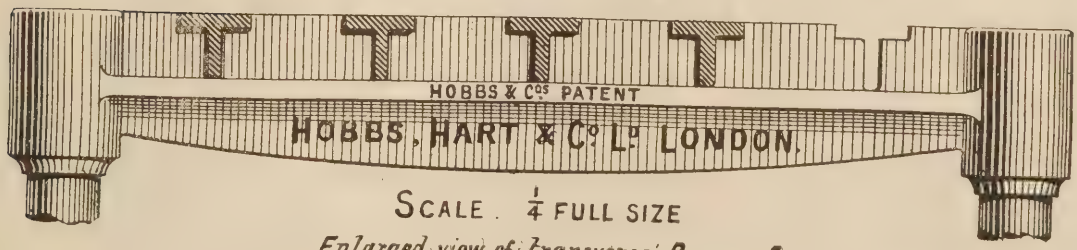
HOBBS, HART & Co.'s

PATENT VENTILATED TUBULAR ADJUSTABLE SHELVING FOR BANKERS' STRONG ROOMS.



SCALE $\frac{3}{4}$" = 1 FOOT

RAIL LIFTED



SCALE $\frac{1}{4}$ FULL SIZE

Enlarged view of transverse Bearer A.

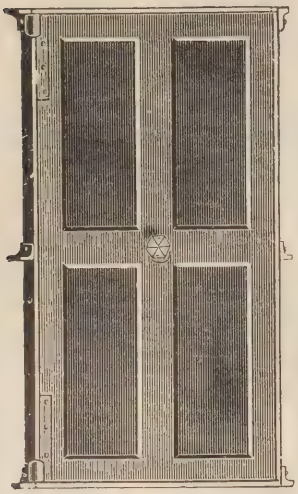
ESTIMATES ON APPLICATION.

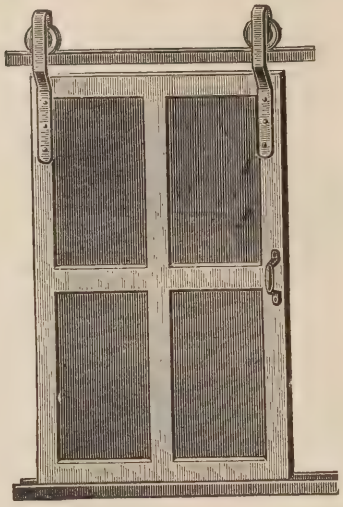
Showrooms:
76, CHEAPSIDE, LONDON, E.C.

General Offices and Works:
ARLINGTON STREET, ISLINGTON, LONDON, N.

SEE ALSO PAGES IN SECTION K.

HAYWARD BROTHERS & ECKSTEIN, LTD.





PATENT "JHILMIL"
STEEL LATH
For Fireproofing Buildings.

USED AT THE
Principal London & Provincial Theatres.

WROUGHT IRON PARTITION DOORS
Made to County Council Requirements.

CERTIFICATE AWARDED,
FIRE BRIGADE UNION.

WORKS: 187-201, UNION STREET, BOROUGH, LONDON, S.E.

BRANCH OFFICES: 3, Simpson Street, MANCHESTER. 141, West Regent Street, GLASGOW.

"THE" LIFT & HOIST COMPANY.

(THE PREMIER IRON WORKS.)
(20,700 super feet Floor Space.) Established 35 Years.

Contractors to H.M. Govt., War Office, Admiralty, H.M. Office of Works, Metropolitan Asylums Board, L.C.C., &c.

108–112, Prince St., DEPTFORD, LONDON, S.E.

Telegrams: "ENDLESS, LONDON." Telephone: No. 223 DEPTFORD.

Sole Makers of the "RESISTANCE" FIREPROOF IRON DOORS

—to L.C.C. Building Act and Fire Offices Committee requirements.

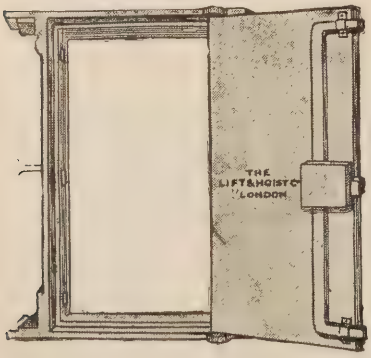


PLATE CLOSET OR STRONG ROOM DOOR.

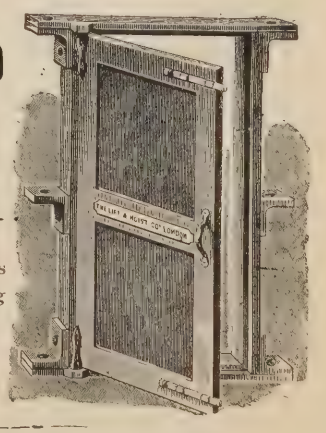
6 ft. 0 in. × 2 ft. 0 in. ...	£9 10 0
6 ft. 0 in. × 2 ft. 6 in. ...	10 5 0
6 ft. 6 in. × 2 ft. 6 in. ...	11 0 0

METAL COVERED WOOD FIREPROOF DOORS.

HINGED WAREHOUSE DOOR

of ¼ in. Plate, Panelled one side with ¼ in. Stiles and Rails, in Stout Bar Iron Frame, with Fixing Irons and Wrought Iron Bow Handle.

6 ft. 0 in. × 2 ft. 6 in.	£5 15 0
6 ft. 6 in. × 2 ft. 6 in.	6 8 0
7 ft. 0 in. × 2 ft. 9 in.	7 10 0



IRON DOORS ARE KEPT IN STOCK. Please call at Works and Inspect same.

ACCEPTED BY L.C.C.

.. FOR ..

Party-Wall Openings.

Comply with the

INSURANCE COS.'

SPECIFICATION.

ARMOURED-URALITE FIRE DOORS.

30% LIGHTER THAN IRON DOOR AND MORE FIRE-RESISTING.

Cost :—MODERATE.

MATHER & PLATT, LD.,

ENGINEERS,

PARK WORKS, NEWTON HEATH,

MANCHESTER.

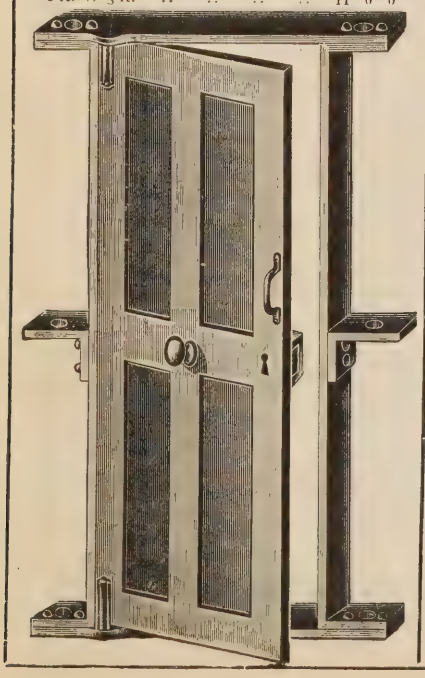
Queen Anne's Chambers,

Westminster,

LONDON.

Constructed of solid ½-in. plate, with stiles, 3-in. × ½-in. frame, 2½-in. × ½-in., with rebate, 2-in. × ⅝-in., fitted with handle and knob, and secured with 6-lever dead lock, 2 keys.

	PRICES. £	s.	d.
6-ft. × 2-ft. 6-in.	9	0	0
6-ft. × 2-ft. 9-in.	10	5	0
6-ft. × 3-ft.	11	0	0



SKIDMORE'S

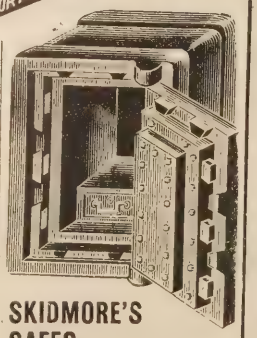
Bent Steel Safes

FOR ALL RISKS

As supplied to the following MUNICIPAL BUILDINGS:

BELFAST.
BLACKBURN.
BOURNEMOUTH.
BURNLEY.
CHELSEA.
KENDAL.
MANCHESTER.
NEWPORT (I.W.)
NORWICH.
OMAGH.
PUDSEY.
WOLV'MPTON., &c., &c.

Used by most of the leading BANKING COMPANIES.



SKIDMORE'S SAFES . . . .

for the protection of BOOKS, CASH, VALUABLES from FIRE & BURGLARY.

We shall be pleased to forward our ILLUSTRATED CATALOGUE, post free upon application.

In the great London and Australian Fires SKIDMORE'S SAFES successfully preserved their contents.

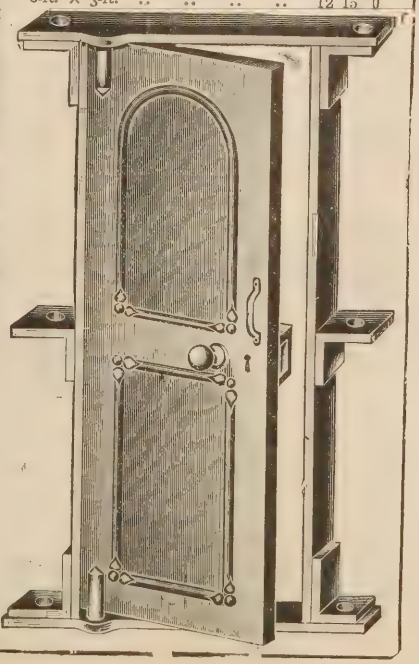
THOMAS SKIDMORE & SON,

Staffordshire Safe Works,

WOLVERHAMPTON.

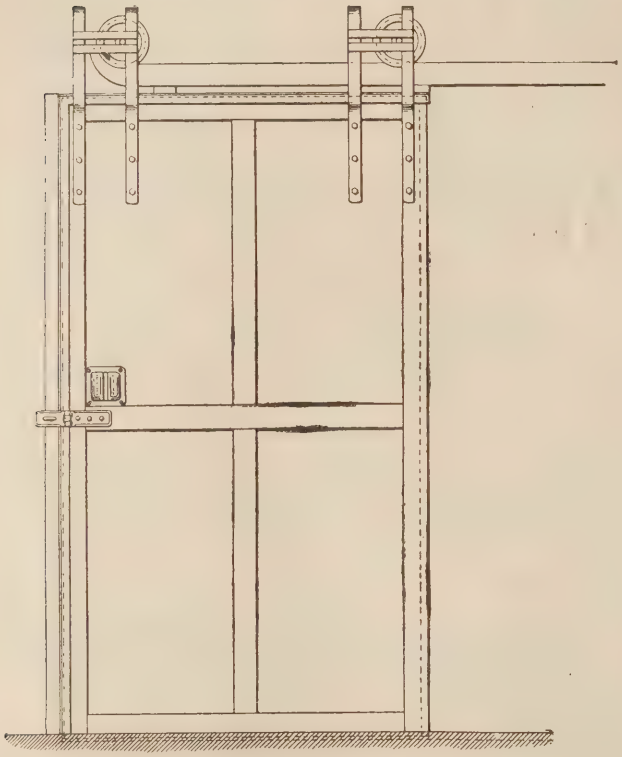
Constructed of solid ½-in. door plate, frame, 3-in. × ½-in., with rebate 2½-in. × ⅝-in., fitted with pull handle and knob, and secured with 6-lever dead lock, 2 keys.

	PRICES. £	s.	d.
6-ft. × 2-ft. 6-in.	10	10	0
6-ft. × 2-ft. 9-in.	11	12	6
6-ft. × 3-ft.	12	15	0



The St. PANCRAS IRONWORK Co. Ltd.

ENGINEERS & IRONFOUNDERS.



MAKERS OF MACHINE-MADE

Steel Sliding or Hung

DOORS

AND

FRAMES

FOR

Warehouses, Factories,
Offices, Theatres,
&c.

To suit the requirements of Architects, Fire Insurance Companies, the County Council, and other Local Authorities.

ALSO SPECIALISTS IN THE MANUFACTURE OF

IRON ROOFS AND LIGHT STRUCTURAL IRONWORK.

Estimates furnished on receipt of full particulars. Catalogues sent on application.

171, St. Pancras Road, London, N.W.

Telephone—No. 519 North. *Telegraphic Address*—"Equitation, London."

GEORGE PRICE LIMITED (THE ORIGINAL FIRM),

BANKERS' ENGINEERS,

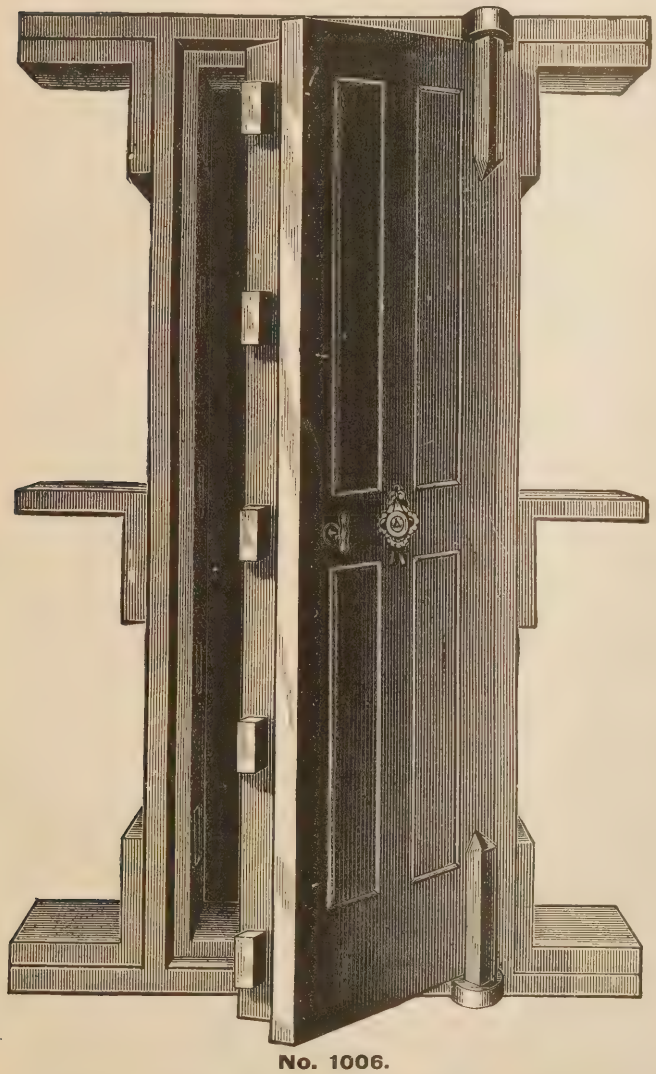
CLEVELAND WORKS, WOLVERHAMPTON.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

PRIZE MEDALS:—1862. 1878. 1880. 1884. 1892. 1893. 1894. 1895. 1896. 1897. 1898.

The strong doors of the 11 strong rooms at the New Walsall Town Hall are fitted with our "20th Century" Side-Locking Mechanism.

GEORGE PRICE'S SPECIAL IRON DOOR,



No. 1006.

Where a réliable well-made door is required, at a low price, this quality is strongly recommended as the best value on the market.

No. 1006.

As supplied to the new Gas and Water Offices, Dundee, &c., &c., &c.

SPECIFICATION.

DOOR PLATE $\frac{1}{2}$ inch Solid Steel. Frame, 3 inch × $\frac{1}{2}$ inch. Rebate bars, $2\frac{1}{4}$ inch × $\frac{5}{8}$ inch. Strong Steel Lock Case, containing the bolt work and composition. Brass T Handle, throwing four bolts to the front, three fixed dogs at back. Secured by our Double Patent Gunpowder-proof and absolutely Unpickable Lock, with small solid pin keys in duplicate, and protected by Hardened Drill-proof Plate. Outside of door finished plain. No mouldings or panels.

Thoroughly well made by modern machinery. Carriage paid to any railway station in the United Kingdom.

No.	Measurement Outside Frame. ft.	in.		ft.	in.			Prices. £	s.	d.
26 D	5	6	×	2	6	..	..	13	10	0
27 D	6	0	×	2	0	..	..	14	7	6
28 D	6	0	×	2	6	..	..	15	15	0
29 D	6	6	×	2	6	..	..	16	15	0
30 D	6	0	×	3	0	..	..	17	15	0
31 D	6	6	×	3	0	..	..	19	15	0
32 D	7	0	×	3	0	..	..	22	5	0

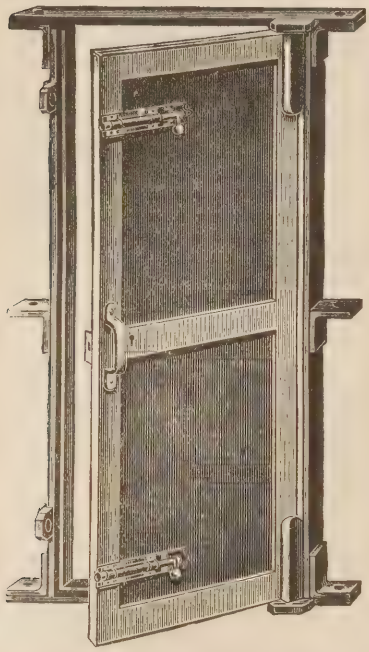
Doors to open inwards from £3 to £6 extra.

QUOTATIONS AND DRAWINGS FOR EVERY CLASS OF IRON DOOR SUPPLIED ON APPLICATION.

"Fast Bind! Fast Find!"

WHITFIELD'S

PARTY WALL OR INSURANCE DOORS.



SINGLE INSURANCE DOOR & FRAME.

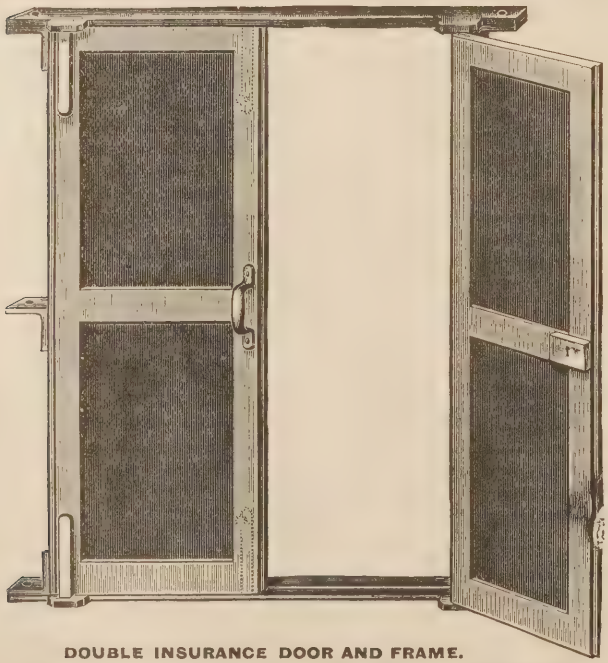
SPECIFICATION.

DOOR Plates $\frac{1}{4}$ in., panelled in two panels, with 3 in. × $\frac{1}{4}$ in. stiles and top rail, and 4 in. × $\frac{1}{4}$ in. middle and bottom rails (doors over 3 ft. wide, panelled in four panels), hung with centres into $2\frac{1}{2}$ in. × $\frac{1}{2}$ in. frame, with $1\frac{1}{2}$ in. × $\frac{5}{8}$ in. rebate, secured with two 12 in. barrel bolts and lever dead lock, malleable pull handle. Painted two coats lead colour, and carriage paid any principal railway station.

Size of Plate,	6 ft. 0 in. × 2 ft. 6 in.	..	Price,	£7	0	0
,,	6 ft. 6 in. × 2 ft. 6 in.	..	,,	7	5	4
,,	6 ft. 6 in. × 3 ft. 0 in.	..	,,	7	11	4
,,	7 ft. 0 in. × 3 ft. 0 in.	..	,,	8	1	4
,,	6 ft. 6 in. × 3 ft. 6in.	..	,,	8	12	8
,,	7 ft. 0 in. × 3 ft. 6 in.	..	,,	8	18	8

If this door is panelled on each face of the plate, **thus complying with the requirements of the Fire Offices Committee**, and hung with centres into $2\frac{1}{2}$ in. × $\frac{5}{8}$ in. frame, with $1\frac{1}{2}$ in. × $\frac{5}{8}$ in. rebate :—

Size of Plate,	6 ft 0 in. × 2 ft. 6 in.	..	Price,	£7	18	0
,,	6 ft. 6 in. × 2 ft. 6 in.	..	,,	8	4	0
,,	6 ft. 6 in. × 3 ft. 0 in.	..	,,	8	10	4
,,	7 ft. 0 in. × 3 ft. 0 in.	..	,,	9	1	4
,,	6 ft. 6 in. × 3 ft. 6 in.	..	,,	9	18	0
,,	7 ft. 0 in. × 3 ft. 6 in.	..	,,	10	5	8



DOUBLE INSURANCE DOOR AND FRAME.

SPECIFICATION.

DOOR Plates $\frac{1}{4}$ in., each leaf panelled in two panels, with 3 in. × $\frac{1}{4}$ in. stiles and top rail, and 4 in. × $\frac{1}{4}$ in. middle and bottom rails, and hung with centres into $2\frac{1}{2}$ in. × $\frac{1}{2}$ in. frame, with $1\frac{1}{2}$ in. × $\frac{5}{8}$ in. rebate, left leaf secured with two 12 in. barrel bolts, and right leaf with lever dead lock, malleable pull handles. Painted two coats lead colour, and carriage paid any principal railway station.

Size of Plates,	7 ft. 0 in. × 4 ft. 0 in.	..	£10	8	0
,,	7 ft. 0 in. × 4 ft. 6 in.	..	11	2	0
,,	7 ft. 0 in. × 5 ft. 0 in.	..	11	15	0
,,	7 ft. 6 in. × 5 ft. 6 in.	..	13	2	0
,,	8 ft. 0 in. × 6 ft. 0 in.	..	14	6	0

If each leaf of this door is panelled on each face of the plate (as illustrated), **thus complying with the requirements of the Fire Offices Committee**, and hung with centres into $2\frac{1}{2}$ in. × $\frac{5}{8}$ in. frame, with $1\frac{1}{2}$ in. × $\frac{5}{8}$ in. rebate :—

Size of Plates,	7 ft. 0 in. × 4 ft. 0 in.	..	£12	1	4
,,	7 ft. 0 in. × 4 ft. 6 in.	..	12	15	8
,,	7 ft. 0 in. × 5 ft. 0 in.	..	13	10	4
,,	7 ft. 6 in. × 5 ft. 6 in.	..	14	18	0
,,	8 ft. 0 in. × 6 ft. 0 in.	..	16	4	4

WHITFIELD'S SAFE & DOOR CO.,

OXFORD STREET, BIRMINGHAM.

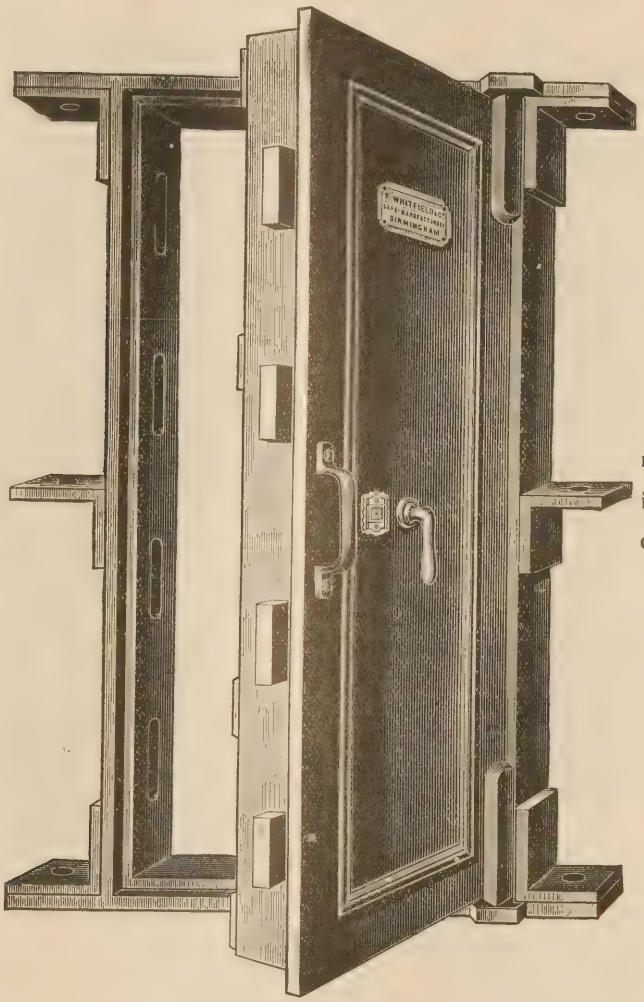
LONDON OFFICE: GODLIMAN HOUSE, GODLIMAN STREET, E.C.

"Fast Bind! Fast Find!"

WHITFIELD'S
Steel Fire-Resisting Door.

QUALITY No. 37.

This Door can be hung on the left or opposite hand shown in sketch, but unless so specified will be sent as drawn.



This Door can be made to open inwards if required, at an extra cost of

£1 10 0

SPECIFICATION.

DOOR Plate $\frac{1}{2}$ in., hung with strong forged centres into 3 in. × $\frac{1}{2}$ in. frame, with $2\frac{1}{4}$ in. × $\frac{5}{8}$ in. rebate bar, secured with four bolts at front (fixed bolts at back), controlled by our 6-lever solid block lock with two keys, and protected by hardened steel plate. Lockcase $3\frac{1}{2}$ in. thick, filled with the best known fire-resisting composition, secured to door-plate with pins, nuts, and straps.

Size of door plates,	6 ft. 0 in. × 2 ft. 0 in.	.. .. ..	Price,	£12	15 0
,, ,,	6 ft. 0 in. × 2 ft. 6 in.	.. .. ..	,,	14	0 0
,, ,,	6 ft. 0 in. × 3 ft. 0 in.	.. .. ..	,,	15	15 0
,, ,,	6 ft. 6 in. × 2 ft. 9 in.	.. .. ..	,,	15	15 0
,, ,,	7 ft. 0 in. × 3 ft. 0 in.	.. .. ..	,,	17	10 0

WHITFIELD'S SAFE & DOOR CO.,
OXFORD STREET, BIRMINGHAM.

LONDON OFFICE: GODLIMAN HOUSE, GODLIMAN STREET, E.C.

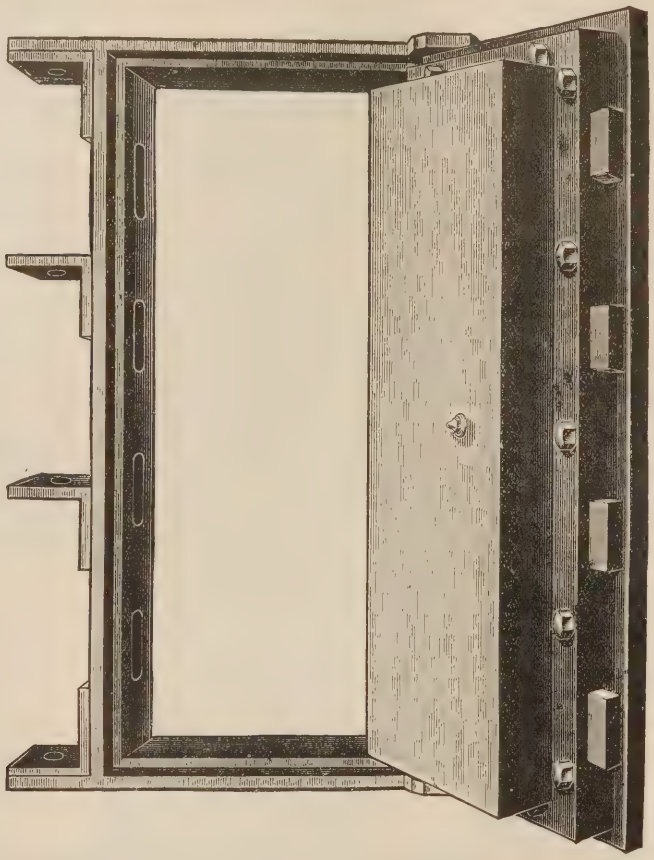
"Fast Bind! Fast Find!"

WHITFIELD'S

STEEL FIRE AND THIEF RESISTING STRONG ROOM DOOR.

QUALITY No. 32.

This Door can be hung on the left or opposite hand shown in sketch, but unless so specified will be sent as drawn.



This Door can be made to open inwards if required at an extra cost of

£1 10 0

FOUR movable bolts each back and front, shooting through an angle iron lockcase (secured to door plate by ⅝ in. pins and nuts), controlled by Whitfield's Patent 9-Slide Gunpowder-proof Unpickable Lock (two keys), protected by hardened steel plate.

	Size of Door Plate ..	6 ft. × 2 ft.			6 ft. × 2 ft. 6 in.			6 ft. × 3 ft.			6 ft. 6 in. × 3 ft.		
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Door Plate, ½ in. .. Frame, 3 in. × ⅝ in. Rebate, 2¼ in. × ⅝ in.	Fire and Thief Resisting .. Price	17	15	6	19	6	0	20	12	0	22	0	0
	Thief Resisting only .. .. Price	15	12	0	17	0	0	18	10	0	20	0	0
Door Plate, ⅝ in. .. Frame, 3½ in. × ⅝ in. Rebate, 2½ in. × ⅝ in.	Fire and Thief Resisting .. Price	19	5	0	21	0	0	22	18	0	24	10	0
	Thief Resisting only .. .. Price	16	14	0	18	7	6	20	0	0	21	10	0

WHITFIELD'S SAFE & DOOR CO.,

OXFORD STREET, BIRMINGHAM.

LONDON OFFICE: GODLIMAN HOUSE, GODLIMAN STREET, E.C.

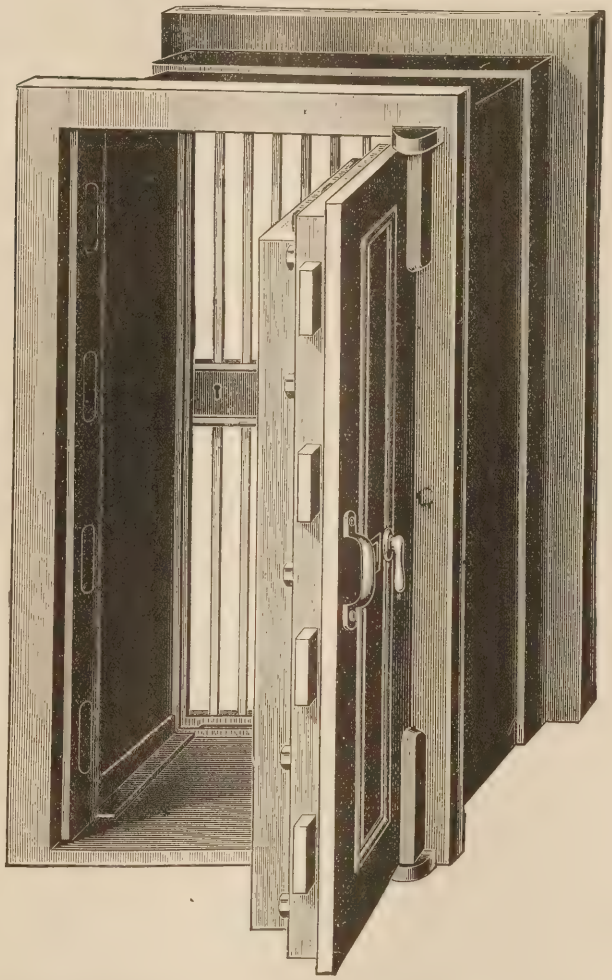
"Fast Bind! Fast Find!"

WHITFIELD'S

Steel Fire & Thief Resisting Strong Room Door, Grille & Lobby,

Complete for 18 inch Wall.

The advantage of using this method of securing the door-way opening of a Strong Room is that the brick work can be built up and allowed to thoroughly dry and settle before the door, &c., is fixed.



The fixing is very simple, the back angle iron can be taken off, the Grille and Lobby then pushed into position, when it can be refixed from the inside of the Rebate of Grille.

THIS Illustration shows our Quality No. 32 Door (see opposite page) fitted into a Lobby suitable for walls up to 18 inch thick, with a Ventilating Grille on the inner side, and with angle iron at front and back edges which securely clip the wall on either side, thus greatly adding to the resisting power of door against burglars.

Size of Door Plate	6 ft. × 2 ft.	6 ft. × 2 ft. 6 in.	6 ft. × 3 ft.	6 ft. 6 in. × 3 ft.
Door Plate, ½ in.—Fire and Thief Resisting	£30 15 6	£32 16 0	£35 12 0	£38 5 0
" " Thief Resisting only	28 12 0	30 10 0	33 5 0	36 0 0
Door Plate, ⅝ in.—Fire and Thief Resisting	32 5 0	34 10 0	37 18 0	40 15 0
" " Thief Resisting only	29 14 0	31 17 6	35 0 0	38 0 0

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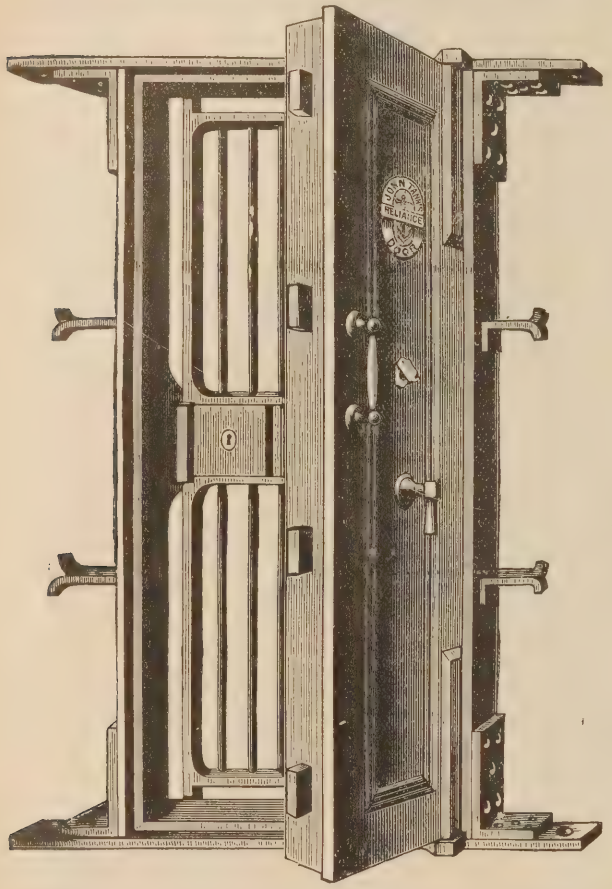

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Panelled on both sides to meet the requirements of the Fire Offices' Committee.

6-ft. 0-in. × 2-ft. 0-in.	...	...	£6 3	0
6-ft. 0-in. × 2-ft. 6-in.	...	...	6 14	0
6-ft. 0-in. × 3-ft. 0-in.	...	...	7 5	0
6-ft. 0-in. × 3-ft. 6-in.	...	...	7 16	6
6-ft. 6-in. × 2-ft. 6-in.	...	...	7 0	0
6-ft. 6-in. × 3-ft. 0-in.	...	...	7 12	0
6-ft. 6-in. × 3-ft. 6-in.	...	...	8 4	0
7-ft. 0-in. × 2-ft. 6-in.	...	...	7 7	0
7-ft. 0-in. × 3-ft. 0-in.	...	...	8 0	0
7-ft. 0-in. × 3-ft. 6-in.	...	...	9 0	0

DISCOUNTS ON APPLICATION.

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	Plate Closet Doors.			Fire Proof Strong Room Doors.			Ventilating Grilles.		
	£	s.	d.	£	s.	d.	£	s.	d.
6-ft. 0-in. × 2-ft. 6-in.	12	15	0	15	0	0	7	0	0
6-ft. 0-in. × 3-ft. 0-in.		—		17	0	0	8	0	0
6-ft. 6-in. × 2-ft. 9-in.	14	5	0	17	0	0	8	10	0
6-ft. 6-in. × 3-ft. 0-in.		—		19	0	0	9	0	0
7-ft. 0-in. × 3-ft. 0-in.	15	15	0	21	10	0	10	0	0

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CATALOGUE.

See also Summary of Contents, page 1.

Section H.

Lighting and Fittings.

Ventilation. Ventilation and Warming.

Warming. Tubes, &c.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Acetylene Corporation of Great Britain, Ld.	147
Attwood, J.	156
Boyle, Robert, & Son	*special position*, 3, 315
Clark, S., & Co.	157
Cooper, H. W., & Co., Ld.	149
Efficient Lighting & Heating Co.	148
Emley & Sons, Ld.	154
Gibbs, J., & Son	152, 153
Gray, James	156
Hayward Bros. & Eckstein, Ld.	154
Howorth, J., & Co.	150
Quadruple Exhaust Ventilator Co.	151
Stewarts & Lloyds, Ld.	158
Sun Gas Co., Ld.	148
Taylor, S. T., & Sons	156
Wontner-Smith, J., Gray & Co.	155

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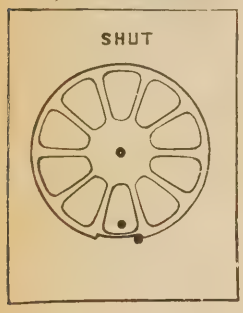

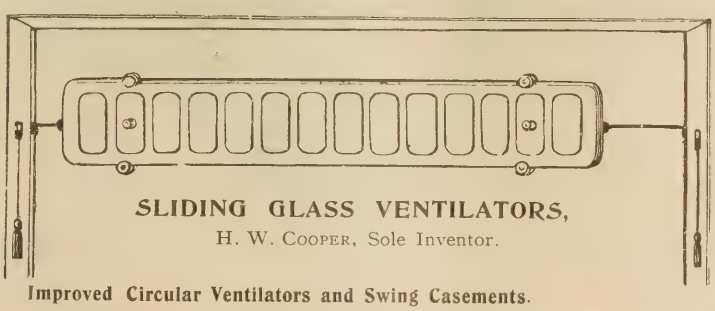

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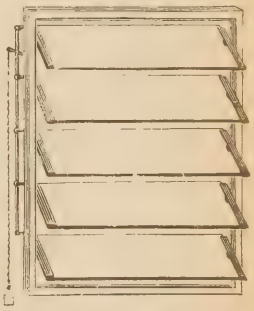
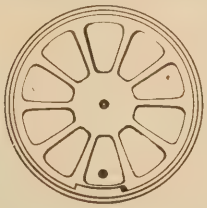
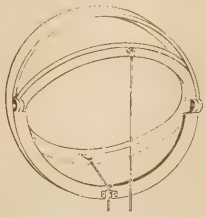
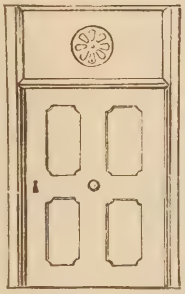
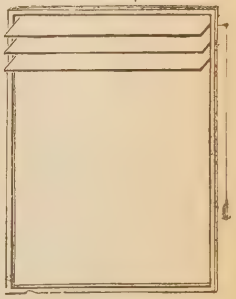


Improved Circular Ventilators and Swing Casements.









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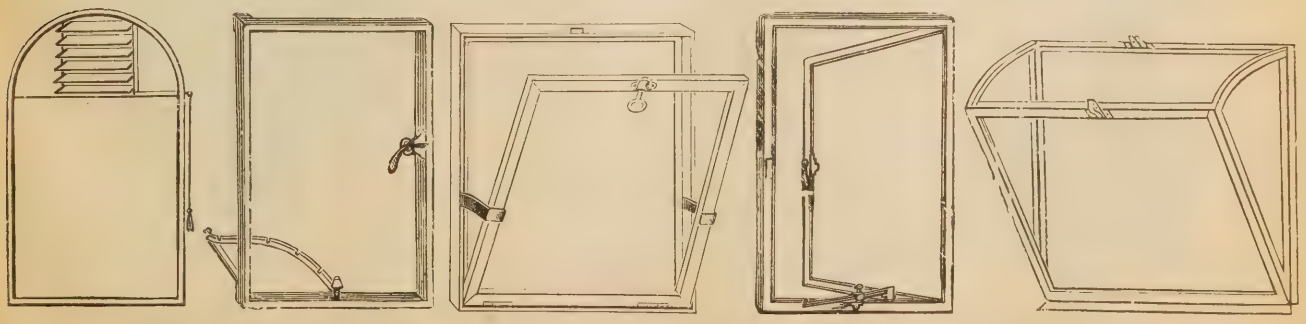

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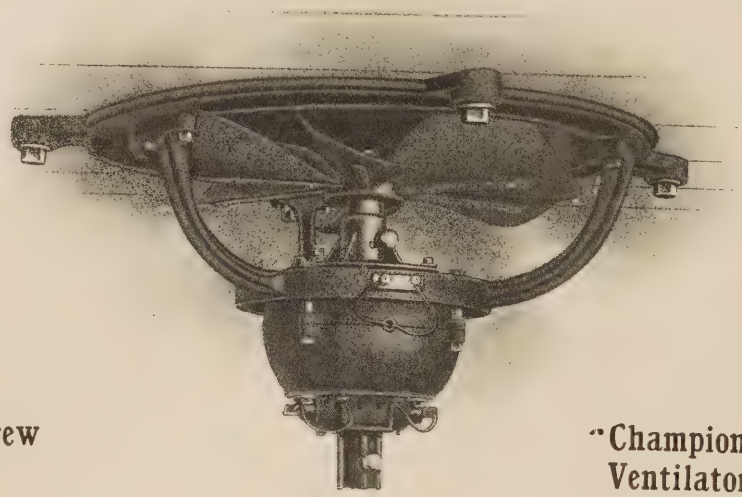

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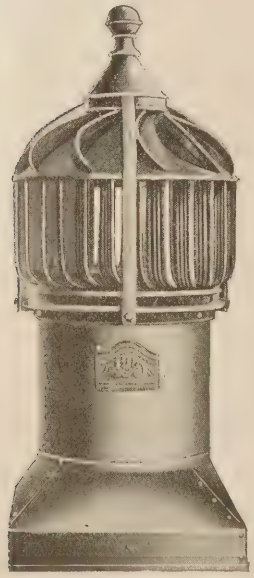

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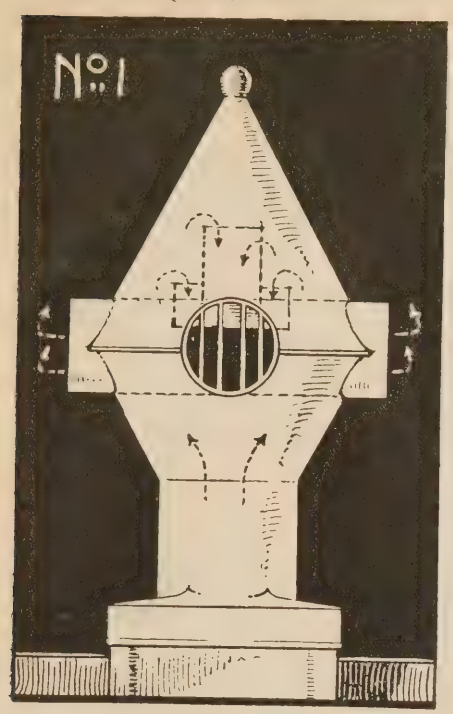
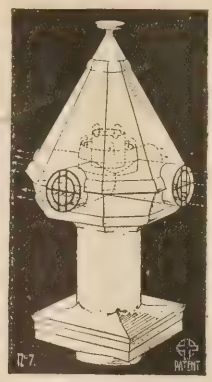


Patented.



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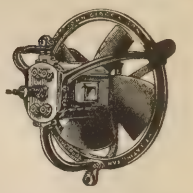

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24 in.	,, ..	24	0	0
30 in.	,, ..	32	5	0
36 in.	,, ..	38	14	0
42 in.	,, ..	52	0	0
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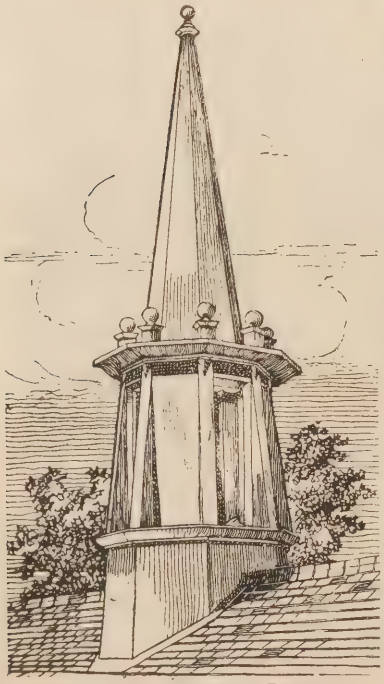

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16 in.	,,	* 8 in	,,	..	2	2	0
18 in.	,,	* 9 in.	,,	..	2	15	0
20 in.	,,	* 10 in.	,,	..	3	10	0
24 in.	,,	* 12 in.	,,	..	4	10	0
27 in.	,,	* 13½ in.	,,	..	5	5	0
30 in.	,,	* 15 in.	,,	..	6	10	0
36 in.	,,	* 18 in.	,,	..	8	15	0
42 in.	,,	* 21 in.	,,	..	11	15	0
48 in.	,,	* 24 in.	,,	..	14	17	6
54 in.	,,	* 27 in.	,,	..	18	18	0

*These are sizes of pipes suggested, but can be varied as required

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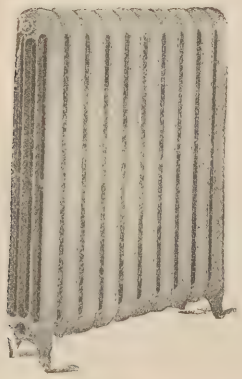
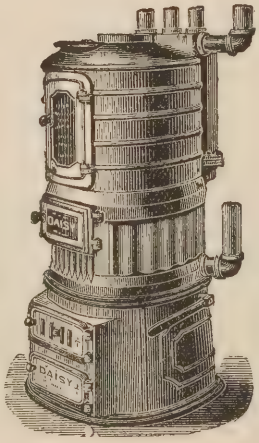
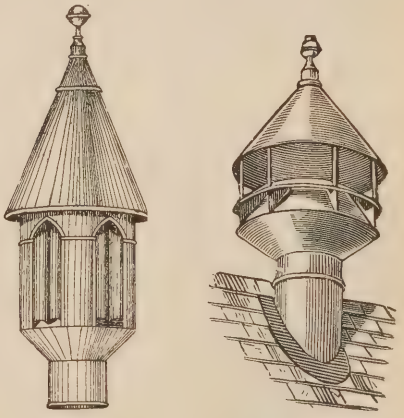
Right & Left Screwed Nipple Connections.
All Radiators tested to 120 lb. Pressure.

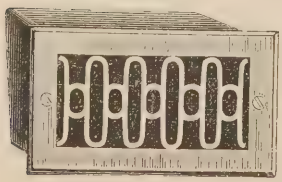


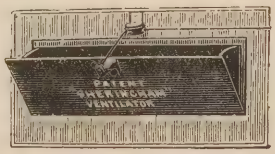
'Daisy' Boilers.



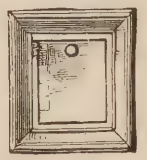
Hayward's 'Alliance' Self-Acting Ventilators.

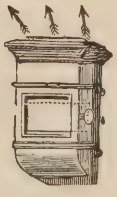


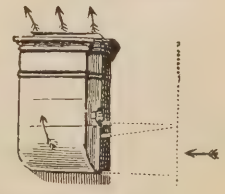




IMPROVED MICA OUTLET & SHERINGHAM INLET VENTILATORS.

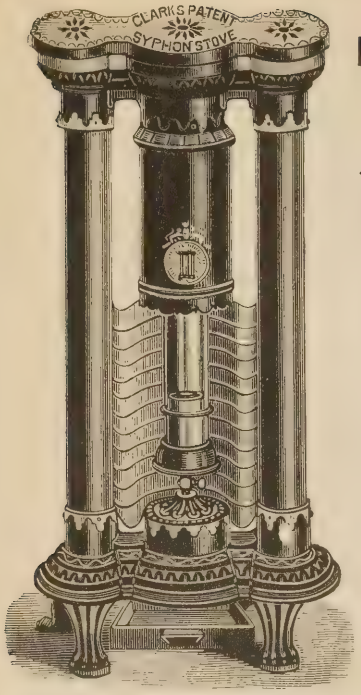






FRESH AIR INLET BRACKETS.

HAYWARD BROTHERS & ECKSTEIN, Ltd., 187-201 Union Street, Borough, LONDON, S.E.



No. 5. "Syphon Stove."

PURE HEAT

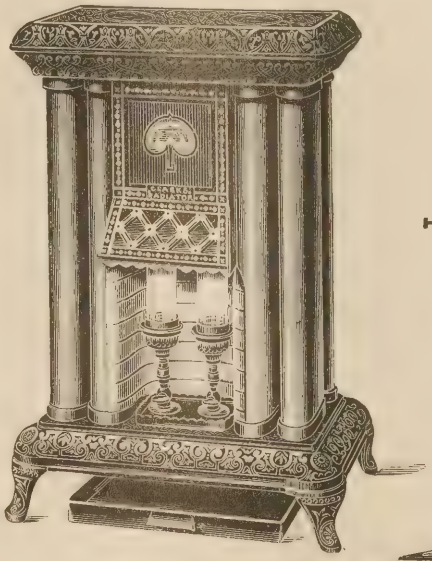
WITHOUT SMOKE or SMELL.

NO FLUE REQUIRED.

CLARK'S PATENT HYGIENIC

"SYPHON" STOVES

THE MOST ECONOMICAL AND EFFICIENT SYSTEM FOR HEATING PUBLIC HALLS, SCHOOLS, HOSPITAL WARDS, CORRIDORS, THEATRES, SHOPS, OFFICES, AND ALL PUBLIC BUILDINGS AND PRIVATE RESIDENCES.



No. 26. "Syphon" Radiator.

Supplied to

His Majesty THE KING.
Her late Majesty Queen Victoria.

H.R.H. Duke of Connaught.
H.R.H. The late Duke of Saxe-Coburg Gotha.
H.R.H. Princess Henry of Battenberg.
The British Embassy in Berlin
The Mansion House.
The Bank of England.
Etc., Etc., Etc.

Extensively Adopted by His Majesty's Board of Works FOR USE AT—

The War Office.
The Post Offices.
The Police Courts.
His Majesty's Prisons.
The Educational Department.
The Royal Gunpowder Factory.
Etc., Etc., Etc.

SPECIAL FEATURES.

CLARK'S Patent "SYPHON" STOVES give a PURE, EQUABLE and AGREEABLE HEAT, which can be graduated or sustained at the will of the user. The extremely small quantity of gas consumed by the "Syphon" Stove renders it the most Economical Apparatus known.

All products of combustion are rendered innocuous by Automatic Action within the Stove, Pure Heated Air only being emitted.

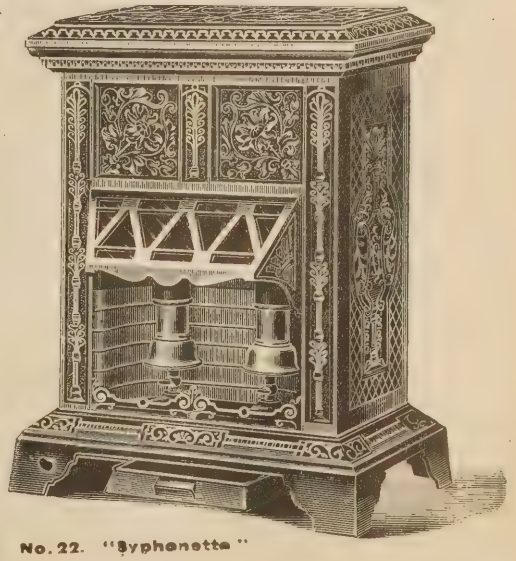
The late Mr. D'Oyle Carte, of the Savoy Theatre, writing of these Stoves, says:—"I have used your Hygienic gas heating stoves in this Theatre all last winter, and have found them in every way most satisfactory. I think I must have had ten or a dozen of them in various parts of the Theatre, and in the very cold weather we had last winter they succeeded in warming the Corridors, etc., admirably."

CATALOGUES AND FULL PARTICULARS ON APPLICATION.

S. CLARK & Co., Patentees and Makers, Compton Works, Canonbury Road, Highbury, London, N.

Showrooms: Bath House, 58 Holborn Viaduct, E.C.

Telegrams: "Syphon Stoves, London." Telephone No. 1777 North.



No. 22. "Syphonette"

TRADE

MARK.

TUBES AND FITTINGS.

TRADE

L & L

MARK.

STEWARTS AND LLOYDS,
LIMITED.

41, OSWALD STREET,
GLASGOW.

NILE STREET,
BIRMINGHAM.

OFFICES AND WAREHOUSES.

London: 50, Cannon St., and 157 & 158, Upper Thames St.

Liverpool: 63, Paradise St.

Manchester: 84, Deansgate, and Commercial St.

Leeds: Neville St. and Sovereign St.

Cardiff: 132, Bute St., and Hannah St.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section J.

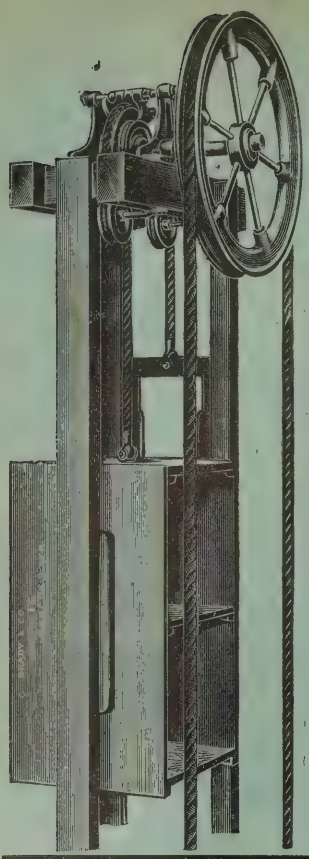
Lifts, Elevators, &c. Stable Fittings.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Brady, G., & Co.	160
Bryden, John, & Sons	160
Gardiner, Sons & Co., Ld.	161
Hayward Bros. & Eckstein, Ld.	165
Lift & Hoist Co.	160A, 160B
Lucas, J. E., & Son	164
St. Pancras Ironwork Co., Ld.	166
Smith & Stevens	164A, 164B
Waygood, R., & Co., Ld.	162, 163

Builders' Announcements,

Commencing on page 347, showing the class of work various Building Firms are accustomed to undertake, are a valuable guide to Architects when placing contracts for the erection of Buildings, &c.



G. BRADY & Co.

49, Pott Street, Ancoats,

MANCHESTER.

Patent Improved

Noiseless, Self-Sustaining,

HAND POWER SERVICE **LIFTS**

For Hotels, Restaurants, Mansions, Schools, Boarding Houses, Warehouses, Shops, &c.

LIFT COMPLETE,

READY FOR FIXING,

Including Gearing, Cage, Ropes, Runners and Adjustable Balance Weight.
Suitable for 28-lb. Load.
Total Height, 17 feet.

From £7 10s.

GEARING ONLY,

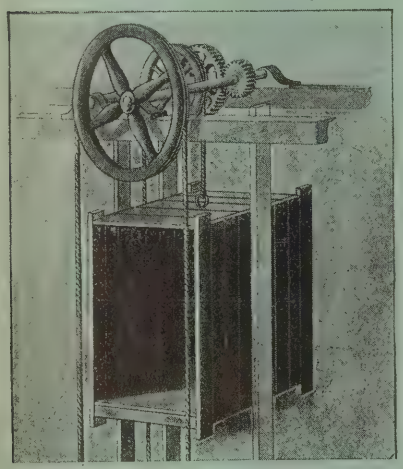
From £4 10s.

HAND AND POWER GOODS LIFTS

of every Description.

REVOLVING SHUTTER and SPRING SUN BLIND MAKERS.

CATALOGUES FREE ON APPLICATION. **SEE ALSO PAGE 220.**



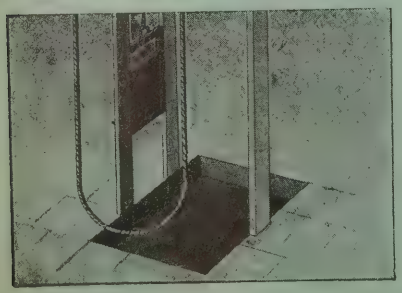


Illustration of Lifts 30 to 36.

John Bryden & Sons,

90 GLOUCESTER ROAD, LONDON, S.W.
Telephone—No. 550 Western.
Telegrams—"Bryarum," London.

16 FREDERICK ST., EDINBURGH.
Telephone—2264.

60 RENFIELD ST., GLASGOW.
National Telephone—5218.
Corporation Telephone—0318.

32 BELL ST., DUNDEE.
Telephone—791.

HAND POWER LIFTS.

The most popular Lift in the market. Thousands in daily use.

Very silent, easy to work, and quick in action. Can be worked from any floor. The gearing is placed overhead, and includes driving wheel and endless hemp rope, powerful brake, strong yellow deal cage, balance weight, and dressed yellow deal guides.

PRICES OF STOCK SIZES

(Exclusive of Fixing, Trimming Floors or Forming Enclosures).

No.	Size of Well-Hole.	Inside sizes of cage.	Total height.	Load.	Lift, exclusive of cage and guides.	Lift complete, ready to fix.
	Ft. In. Ft. In.	Ft. In. Ft. In.	Ft.	cwt.	£ s. d.	£ s. d.
0	1 8 by 1 6	1 2 by 1 3	18	½	5 15 0	7 0 0
1	2 0 ,, 1 7	1 6 ,, 1 3	18	¾	6 0 0	7 15 0
2	2 3 ,, 1 10	1 9 ,, 1 6	18	½	6 10 0	8 10 0
3	2 7 ,, 2 1	2 1 ,, 1 9	18	¾	7 10 0	9 10 0
4	3 0 ,, 2 10	2 6 ,, 2 6	18	1	8 10 0	10 10 0
30	3 6 ,, 3 0	2 11 ,, 2 8	18	2-3	13 0 0	16 0 0
31	4 0 ,, 3 3	3 5 ,, 2 11	18	3-4	15 0 0	18 0 0
32	4 6 ,, 3 6	3 10 ,, 3 2	18	3-4	18 0 0	21 0 0
33	5 0 ,, 3 9	4 4 ,, 3 4	18	4-5	22 0 0	26 0 0
34	5 6 ,, 4 0	4 9 ,, 3 7	18	4-5	25 0 0	30 0 0
35	6 0 ,, 4 6	5 2 ,, 4 0	18	5-6	30 0 0	35 0 0
36	6 6 ,, 5 0	5 7 ,, 4 6	18	5-6	37 0 0	42 0 0

Additional height, 2/6 to 7/- per foot extra.

Other sizes made—Estimates and Catalogues on Application.

Self-sustaining gear (no brake required) from £1 10s. to £5 additional.

Prices of Cages made of oak instead of yellow deal:

No. 0	No. 1	No. 2	No. 3
£7	12/-	15/-	18/-

No 4 22/- additional.

Oak Guides, 9d. per foot of height additional.

Prices of Lift Enclosures, height 18 feet or less, with sliding doors at service openings, made of yellow deal, and primed one coat:

No. 0	No. 1	No. 2
£7	£7 10/-	£8 10/-

No. 3	No. 4
£10	£11 10/-

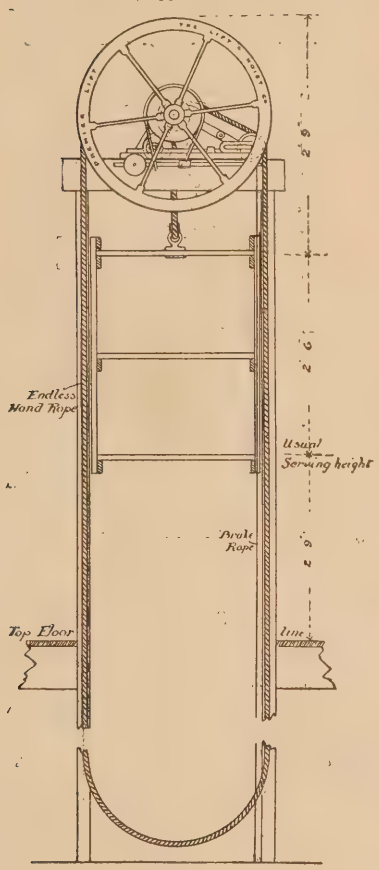
Additional heights charged in proportion.
Packing charged at cost price.

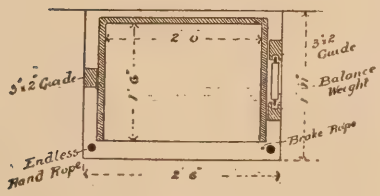
THE LIFT & HOIST Co.,

PREMIER IRONWORKS, DEPTFORD, LONDON, S.E.

Telephone: 223, DEPTFORD. ESTABLISHED 1870. Telegrams: "ENDLESS" LONDON.

CONTRACTORS TO H.M. OFFICE OF WORKS, WAR OFFICE, ADMIRALTY, MET. ASYLUM BOARD, L.C.C., &c.





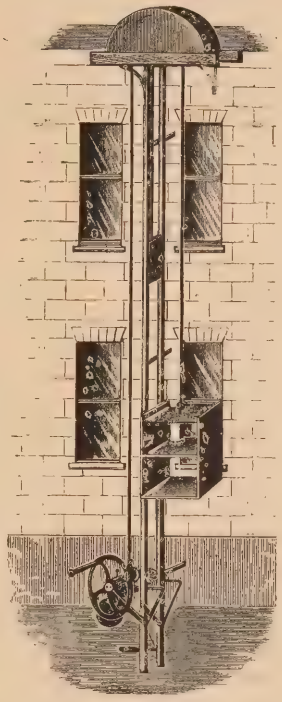
Plan.

No. 1.

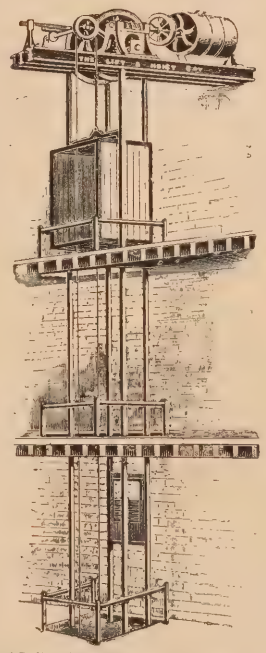
"PREMIER" DINNER LIFT.

Stock SIZES & PRICES for a total height of 18 ft.

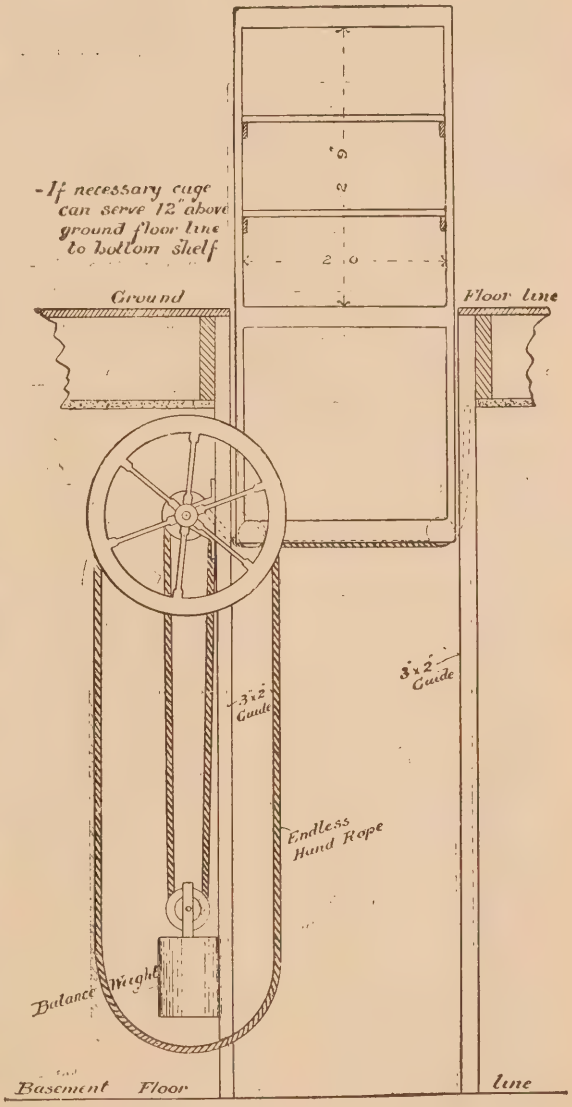
Inside Size of Cage in clear.	Load.	Price complete ready to fix.		
ft. in. ft. in.		£	s.	d.
1 9 x 1 4	½ cwt	8	10	0
2 0 x 1 6	¾ cwt	9	10	0
2 3 x 1 9	¾ cwt	10	10	0
2 6 x 2 0	1½ cwt	12	0	0
2 6 x 2 3	1½ cwt	14	0	0



OUTSIDE TRADESMEN'S LIFT.



GOODS LIFT DRIVEN BY ELECTRIC MOTOR OR FROM EXISTING SHAFTING.



Elevation.

No. 2. SELF-SUSTAINING, NOISELESS "PREMIER" DINNER LIFT.

Guaranteed absolutely noiseless and introduced to supersede winding Lifts. Specially suitable to rise under Hall Table, Sideboard or Counter. They are also made to raise and lower portion of floor automatically, and are Self-Sustaining. This is the most satisfactory Dinner Lift on the Market. References to Lifts working all over the United Kingdom.

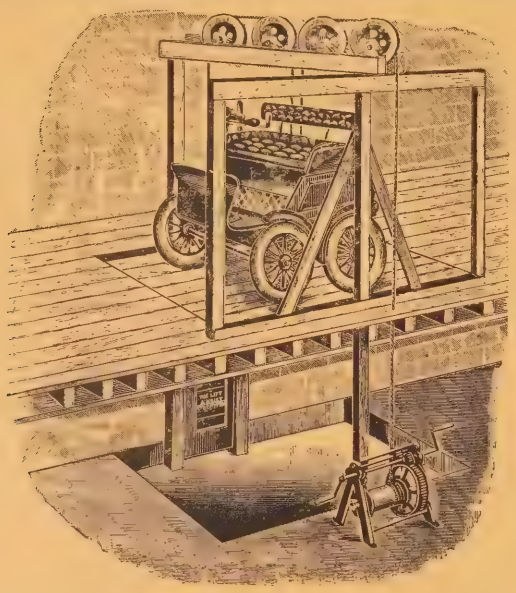
	£	s.	d.
To raise 40 lbs., complete as above, ropes spliced and ready to fix.	12	0	0
To raise 80 lbs., complete as above ...	14	0	0
To raise 1½ cwt., complete as above ...	16	0	0

PLEASE SEE OTHER SIDE (B).

THE LIFT & HOIST Co.,

PREMIER IRONWORKS, DEPTFORD, LONDON, S.E.

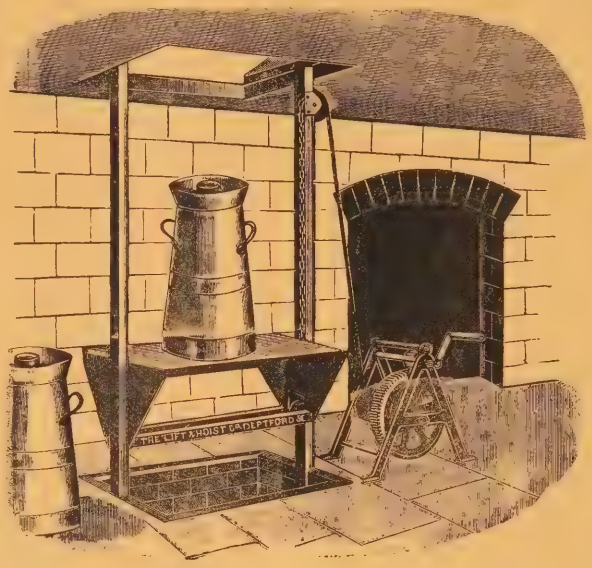
Telephone: 223, DEPTFORD. ESTABLISHED 1870. Telegrams: "ENDLESS" LONDON.



MOTOR CAR OR CARRIAGE LIFT.

To raise 1 ton. Platform 12ft. x 6ft. Total height 20ft.

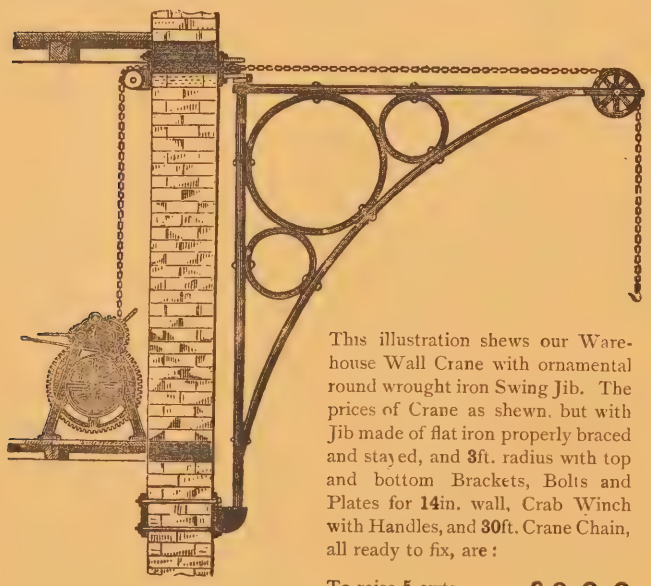
PRICE: - £45 0 0.



BASEMENT OR CELLAR HOISTS.

Can be made either Vertical as shewn or Inclined with a Ladder, which can be used for access into Basement.

To raise 5 cwts.	£16 0 0
„ 7 „	£18 10 0
„ 10 „	£21 0 0



This illustration shews our Warehouse Wall Crane with ornamental round wrought iron Swing Jib. The prices of Crane as shewn, but with Jib made of flat iron properly braced and stayed, and 3ft. radius with top and bottom Brackets, Bolts and Plates for 14in. wall, Crab Winch with Handles, and 30ft. Crane Chain, all ready to fix, are:

To raise 5 cwts. ...	£9 0 0
„ 10 „ ...	£11 0 0
„ 15 „ ...	£14 0 0
„ 20 „ ...	£17 0 0

"SIMPLEX" SWING JIB CRANE

for fixing inside Hay Lofts, Granaries, &c

To raise 2½ cwts., Jib 2ft. 6in. radius	£6 10 0
„ 5 „ „ „	£8 10 0

"PREMIER" IMPROVED SACK HOIST

with Lifting and Hand Chain for 20ft. Lift.

Tested to 2½ cwts.	£2 5 0
„ 5 „ ..	£2 12 0

WAREHOUSE, GOODS OR FACTORY LIFT

By Electric, Hydraulic, Belt or Hand Power.

Prices of Hand Power Lifts with Overhead Gear, Balance Weight, Cage, Guides, Spliced Ropes, and all Fittings.

To raise 2 cwts. 12 ft. high ...	£18 0 0
„ 3 „ „ ...	£21 0 0
„ 5 „ „ ...	£25 0 0
„ 7 „ „ ...	£28 0 0
„ 10 „ „ ...	£32 0 0
„ 15 „ „ ...	£36 0 0

MAKERS OF

High Class Electric, Hydraulic and Hand Power Lifts, Hoists & Cranes.

PLEASE SEE OTHER SIDE (A).

REPRESENTATIVES IN ALL PARTS.

GARDINER, SONS, & Co., Ltd.,

Telephone 867

NELSON STREET & MIDLAND IRON WORKS, BRISTOL.

Telegraphic Address "Gardsons, Bristol."

HAND POWER, DINNER, BOOK, AND RESTAURANT LIFTS.

F 374.
PARCEL or CHOP LIFT.

Suitable for Shops, Luncheon Bars, &c. Prices complete, as illustrated, for a total height of 17ft.

Size of Cage:
wide. deep. high.
12 in. 10 in. 18 in.
£3 10 0.

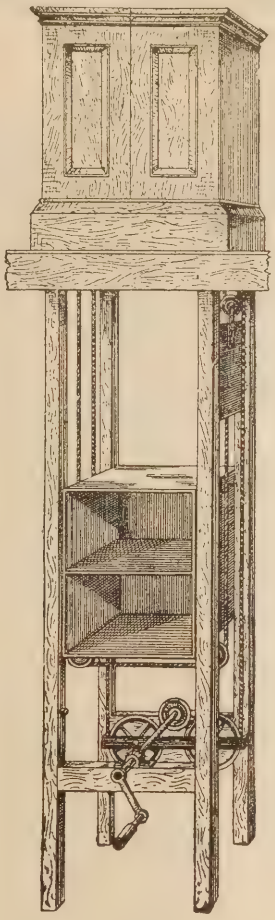
Polish'd Mahogany Cage **7/6** extra.

Size of Cage:
wide. deep. high.
16 in. 12 in. 24 in.
£4 0 0.

Polish'd Mahogany Cage **11/6** extra.

If above this height, **2/3** per foot extra.

Stop to sustain cage at either floor, **10/-** extra.



F 375.
Improved DINNER LIFT.

To work from below. Suitable for Private Houses or small Hotels; will raise load under sideboard or dresser.

Prices complete, ready for erection exclusive of enclosures, for a total height of 14 feet.

To Raise 14 lb.

	wide.	deep.	high.
Size of Cage ...	16 in.	12 in.	24 in.

£8 0 0.

Polished Mahogany Cage, **12/-** extra.

To Raise 40 lb.

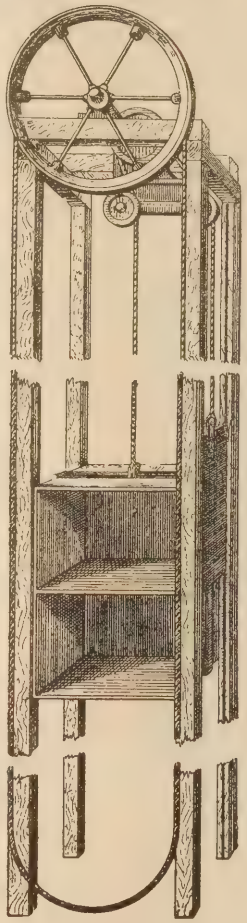
	wide.	deep.	high.
Size of Cage ...	24 in.	16 in.	30 in.

£9 10 0.

Polished Mahogany Cage **19/-** extra.

If above this height, **3/6** per ft. extra.

Top enclosure, Polished Pitch Pine **£3 15 0**
Polished Mahogany ... **4 3 0**
Deal or White Wood ... **2 5 0**



F 388.
SINGLE DINNER LIFT.

With overhead Gearing, to work with Endless Rope from any floor.

Price of Ironwork only, with brake, balance weight, and eye and strap for cage, to raise ½ cwt., size of cage 21 in. wide × 18 in. deep × 24 in. high **£4 15 0**

Ditto to raise ¾ cwt., size of cage 24in. wide × 18in. deep × 36in. high .. **£5 5 0**

Ditto to raise 1 cwt., size of cage 27in. wide × 21 deep × 39in high ... **£6 0 0**

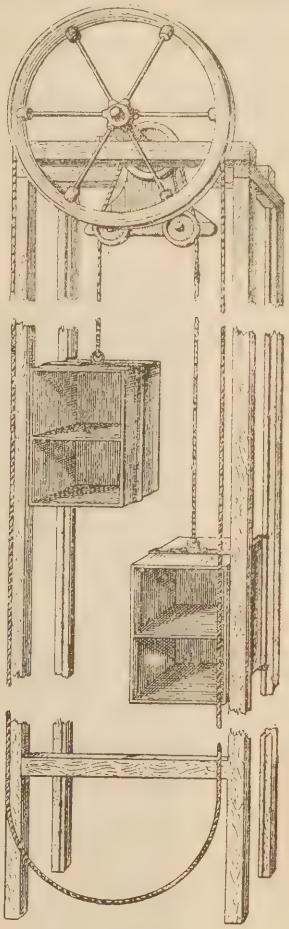
Price complete, with Cage, Guides, Bearers, Ropes, etc., for a total height of 20 feet from bottom floor to top of Rope Wheel.

½ cwt., **£9 16 0** ¾ cwt., **£10 10 0**
1 cwt. **£11 10 0**.

If fitted with **Patent Automatic Brake, 35/-** extra.

If above 20 feet total height, **4/-** per foot extra for either size.

Pol. Mahogany Cage, ½ cwt. size, **20/-** ex.
Pol. Mahogany Cage, ¾cwt. size, **22/6** ex.
Pol. Mahogany Cage, 1 cwt. size **26/-** ex.



F 377.
DOUBLE DINNER LIFT.

With overhead Gearing, to work with endless Rope from any floor.

Price of Ironwork only, with brake and straps for cages to raise 28 lb.; size of cages, 18 in. wide × 16 in. deep × 27 in. high **£6 10 0**

Ditto to raise 56lb.; size of cages, 21in. wide × 18in. deep × 30in. high **£7 10 0**

Price, complete with Cages, Guides and Bearers, Ropes, etc., for a total height of 18 feet from bottom floor to top of Rope Wheel, to raise
28lb. **£13 0 0** 56lb. **£14 10 0**

If fitted with **Patent Automatic Brake, 40/-** extra.

If above 18 feet total height, **4/-** per foot extra for either size.

Pol. Mahogany Cages, 28lb. size **33/-** ex
Pol. Mahogany Cages, 56lb. size **39/-** ex

Discounts and Quotations for Special Sizes on receipt of requirements.

For Casements and Sashes, see Section L. **Complete Catalogue sent on Application.**

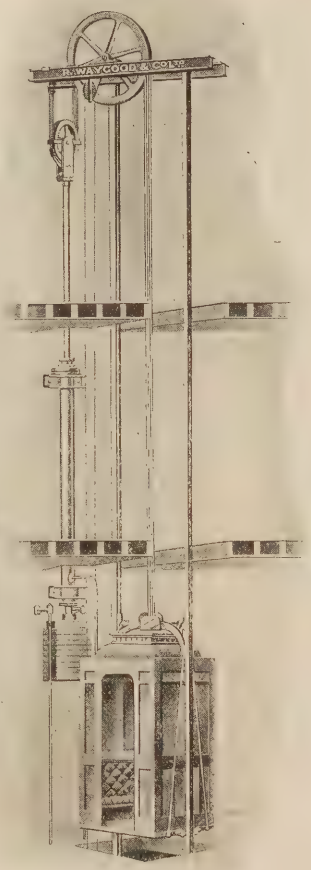
R. WAYGOOD & CO., Ltd.

MAKERS OF ALL KINDS OF

LIFTS AND CRANES.

ELECTRIC PASSENGER LIFT.

The illustration below shows our **Patent Automatic Push-Button Electric Lift,** but where attendant is used we supply our ordinary Electric Lift with handle and positive mechanical cut-off, in case of oversight or carelessness.



Waygood Hydraulic Suspended Lift.

HYDRAULIC PASSENGER or GOODS LIFTS,

on "Suspended" principle, as above, or "Direct Acting," with Ram underneath. Can be worked from ordinary town mains or the Hydraulic Power Co.'s mains.

NOTES.

We make more Electric Lifts than any other Company in the United Kingdom.

We sell over 1,000 Machines every year, including Electric, Hydraulic, Belt, and Hand Lifts.

APPLY FOR ILLUSTRATED CATALOGUE TO

R. WAYGOOD & Co., Ltd., Falmouth Rd., London, S.E.

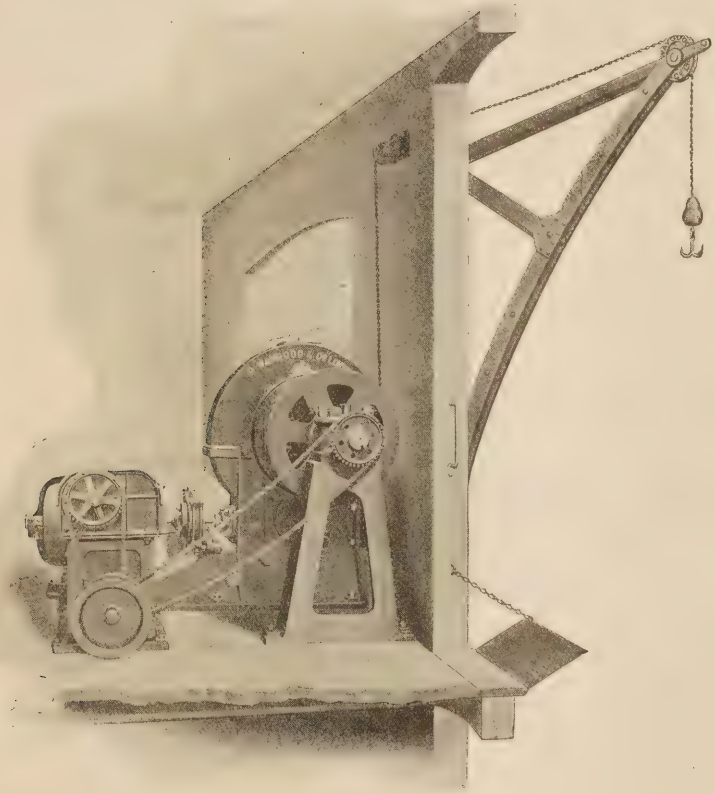
R. WAYGOOD & CO., Ltd.

MAKERS OF ALL KINDS OF

CRANES AND LIFTS.

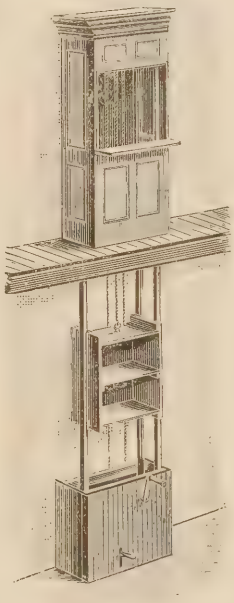
CRANES for RIVERSIDE,
as fitted by R. Waygood & Co., Ltd., on the River Thames.

HOISTS of all kinds.



Waygood Electric Crane.

BELT-DRIVEN LIFTS.
HAND-POWER LIFTS
of all kinds and for all purposes.



Waygood Hand Dinner Lift.

SPECIALITIES!

WAYGOOD LIFTS ON STEAMERS.
WAYGOOD AUTOMATIC PUSH-BUTTON ELECTRIC LIFT, dispensing with attendant.

APPLY FOR ILLUSTRATED CATALOGUE TO

R. WAYGOOD & Co., Ltd., Falmouth Rd., London, S.E.

See also Page 226.

Telegrams—"Lucas, Engineer, Brockley, S.E."

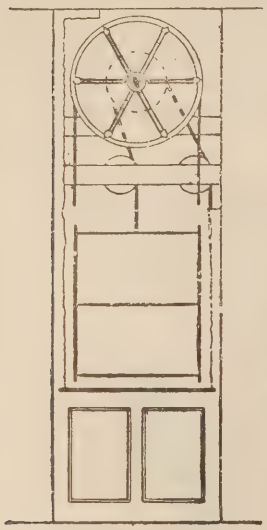
J. E. LUCAS & SON,

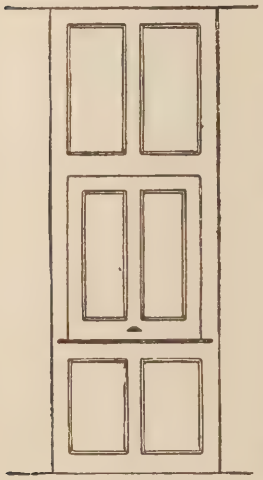
SOLE MAKERS AND PATENTEES OF

The A.B.C. Self-Sustaining DINNER and SERVICE SAFETY LIFT,

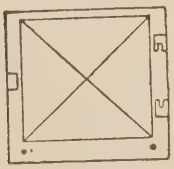
BROCKLEY, S.E.

Contractors to the Admiralty, H.M. Office of Works, War Office, London County Council, &c.





ELEVATION.



PLAN.

LUCAS'S PATENT
Self-Sustaining A.B.C. Lift.
Prices as above.

IN USE ALL OVER THE COUNTRY.

STOCK SIZES.

To raise 30 lbs. one floor (10 ft.) Complete, mounted on beam, ready for fixing.	Single Box.	Well Hole.	
	1.9 wide	2.3½	£8 10s.
	1.4 deep	×	
	2.3 high	1.8½	
56 lbs.	2.0 wide	2.6½	£9 10s.
	1.6 deep	×	
	2.3 high	1.10½	

OTHER SIZES. ASK FOR ESTIMATE.

DELIVERED FREE LONDON.

Simplest,
MOST
Effective,
AND
Safest.

LUCAS'S LIFTS

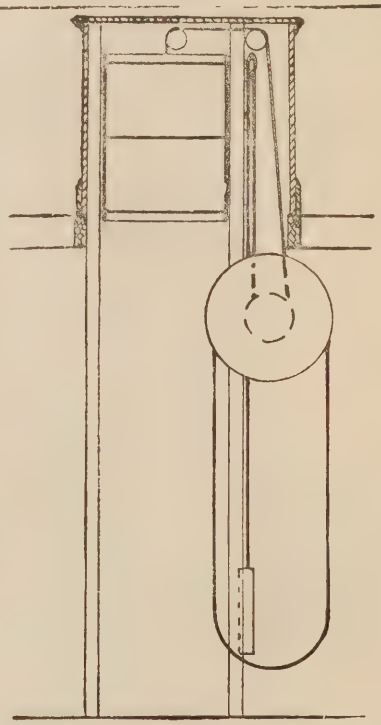
ARE IN USE
All over the Country.

Immediately Hauling Rope is let go Load is
AUTOMATICALLY LOCKED,
and will not move until Rope is again pulled.

OLD-FASHIONED BRAKE LINE SUPERSEDED.

FITTED WITH ROLLER BEARINGS

IRON DOORS.
METAL CASEMENTS.
IRON SASHES.



LUCAS'S
Patent Self-Sustaining Lift, to Rise in Cabinet.
Prices as above.

LIFTS AND CRANES

Of every description.

PATENT SWIVEL
Folding Partitions.

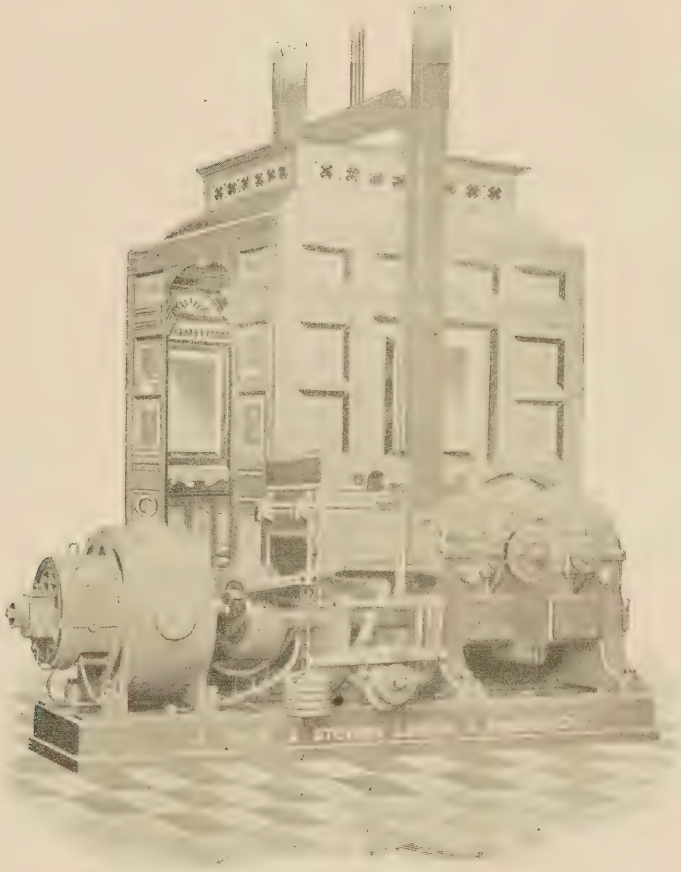
REVOLVING SHUTTERS.

ELECTRIC LIFTS.

A. SMITH & STEVENS,

Telegraphic Address—
"Hydraulics, London."

Telephone—
15, BATTERSEA.



Three essential points in a good Lift—**Reliability, Safety, Economy.**
No Lifts combine these qualities in a higher degree than ours.

QUEEN'S ROAD, BATTERSEA, S.W.

MANCHESTER—Norton Street, Greengate.
BIRMINGHAM—W. J. A. KERR, 43, Church Street.
DUBLIN—BOOTH BROS., Upper Stephen Street.

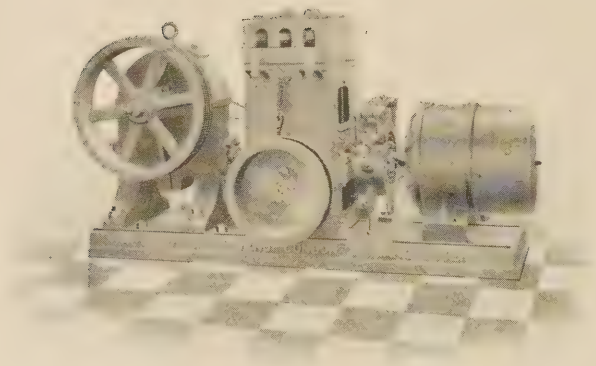
SCOTLAND, NORTHUMBERLAND, DURHAM and YORKSHIRE—W. REGAN, 2, Doune Terrace, Gourock, Glasgow.

Agents Also in HOLLAND, AUSTRALIA, SOUTH AFRICA, etc., etc.

ELECTRIC LIFTS.

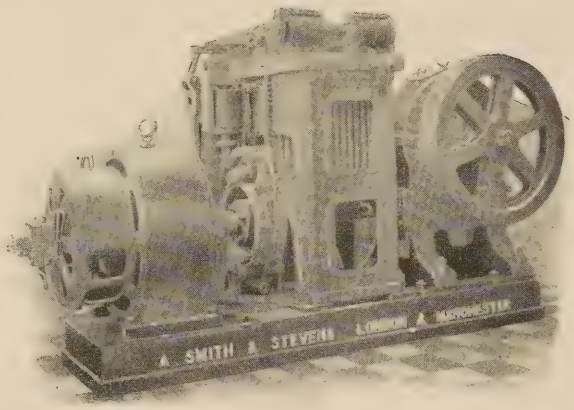
A. SMITH & STEVENS,

Telephone—115, BATTERSEA.



Engine for Alternating Current Lift.

Engine for Automatic Lift, controlled by Push Buttons.

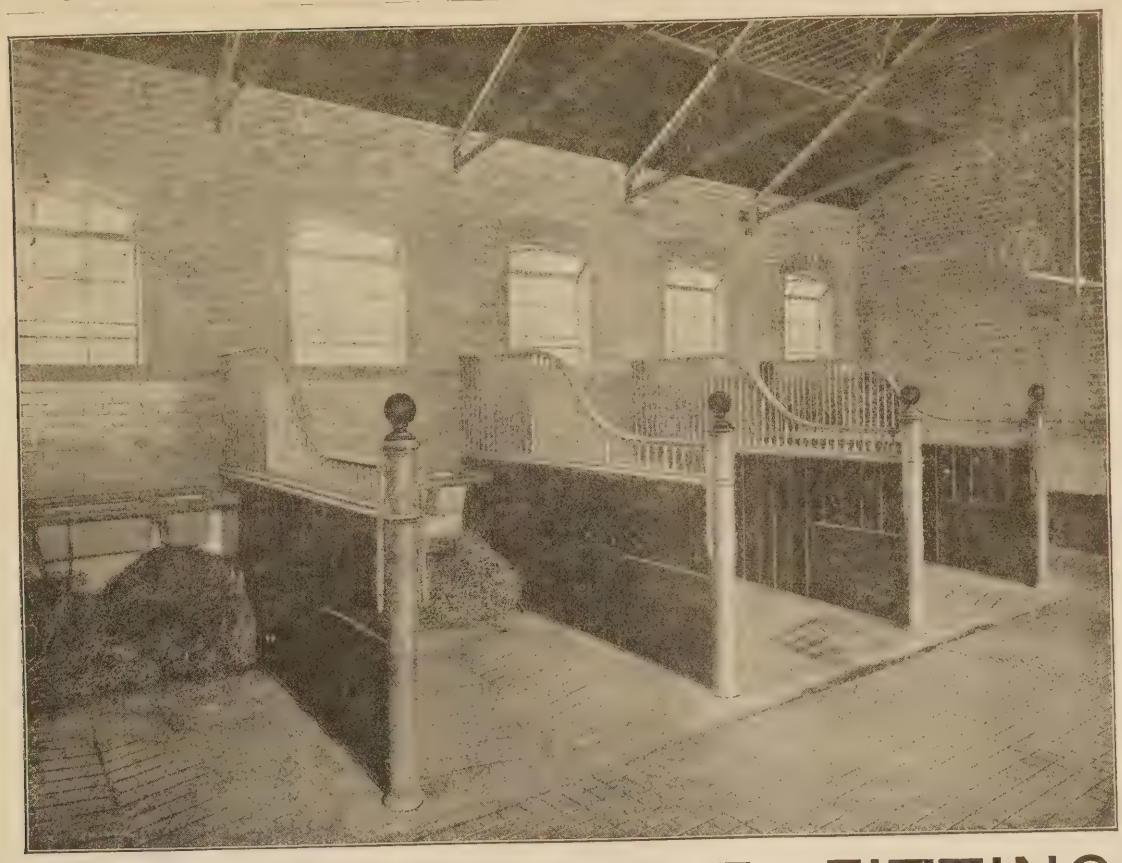


Why does the User prefer our Automatic Electric Lifts?

Because they can be relied upon to do 24 hours' work per day with certainty; and they save him money in repairs and power.

QUEEN'S ROAD, BATTERSEA, S.W.

The Robinson Printing Co., Ltd., 1, Lombard Court, E.C.—14270



HAYWARD'S STABLE FITTINGS

THE above view represents the interior of one stable at the Depôt of the TOTTENHAM URBAN DISTRICT COUNCIL, where the Entire Fittings for 60 Horses were supplied and fixed by Hayward Brothers and Eckstein, Ltd., under *W. H. Prescott, Esq., A.M.I.C.E., Engineer & Surveyor.*

H.B. & E., Ltd., have also recently carried out the following important Contracts :—

BERMONDSEY BOROUGH COUNCIL	Fittings for 70 Horses,	under	R. G. ANGEL, Esq., A.M.I.C.E.
HAMPSTEAD BOROUGH COUNCIL	,, ,, 55 Horses,	,,	O. E. WINTER, Esq., A.M.I.C.E.
SOUTHWARK BOROUGH COUNCIL	,, ,, 48 Horses,	,,	A. HARRISON, Esq., A.M.I.C.E.
READING CORPORATION	,, ,, 32 Horses,	,,	J. BOWEN, Esq., A.M.I.C.E.
BELMONT ASYLUM	,, ,, 28 Horses,	,,	Messrs. T. W. ALDWINCKLE & SON
ILFOPD URBAN DISTRICT COUNCIL	,, ,, 26 Horses,	,,	H. SHAW, Esq., A.M.I.C.E.
ASTON MANOR URBAN DISTRICT COUNCIL	,, ,, 24 Horses,	,,	G. H. JACK, Esq., C.E., F.R.S.
NOTTINGHAM CORPORATION	,, ,, 20 Horses,	,,	A. BROWN, Esq., A.M.I.C.E.
WILLENHALL URBAN DISTRICT COUNCIL	,, ,, 12 Horses,	,,	T. E. FELLOWS, Esq., C.E.
GREENWICH BOROUGH COUNCIL	,, ,, 15 Horses,	,,	E. J. HEWARD, Esq., F.S.I.
CANTERBURY CITY AND COUNTY	,, ,, 18 Horses,	,,	A. C. TURLEY, Esq., A.M.I.C.E.
BRENTWOOD URBAN DISTRICT COUNCIL	- -	under	J. E. FOTHERGILL, Esq., P.A.S.I., M.S.I.
METROPOLITAN POLICE STABLES - - -		,,	J. D. BUTLER, Esq.
HORSHAM DISTRICT COUNCIL - - - -		,,	R. RENWICK, Esq., Surveyor.

&c., &c., &c.

COWHOUSE, PIGGERY, AND HARNESS ROOM FITTINGS.

STABLE PAVING. STABLE DRAINAGE. STABLE VENTILATION.

ILLUSTRATED CATALOGUE ON APPLICATION.

HAYWARD BROTHERS & ECKSTEIN, LTD.,

187—201 UNION STREET, BOROUGH, LONDON, S.E.

And at 3 Simpson Street, MANCHESTER: 141 West Regent Street, GLASGOW.

The St. Pancras Ironwork Co. Ltd.

Stabling, Paving, Drainage, Ventilation at Brookfield Stud Stables, for Mr. W. L. A. Burdett-Coutts, M.P.

PATENT STABLE FITTINGS

DRAINAGE and VENTILATION, and other kindred subjects of VITAL IMPORTANCE to the HEALTH of the ANIMALS housed, have received close EXPERT CONSIDERATION.

Catalogues, Estimates and Designs sent on application.

171 St. Pancras Road, London, N.W.

Telephone: 519 North. *Telegrams: "Equitation, London."*

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section K.

Hinges & Springs.

Locks, Door Furniture, Casement Fastenings, &c.

General Ironmongery. Sliding Door Fittings.

Sash Chains, Pulleys, &c.

Kitcheners, Stoves, and Mantels.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Adams, James, & Son	173
Adams, Robert	168
Baldwin, Son & Co., Ld.	169
Boobbyer, J. H., & Sons	174, 175
Cartland, J., & Son, Ld.	176, 177
Fletcher, Russell & Co., Ld.	194
Gerish, S., & Co.	171
Gibbons, James	173
Gibbs, John, & Son	187
Hobbs, Hart & Co., Ld.	178—181
Leeming Bar Foundry Co.	187
Leggott, W. & R., Ld.	182—185
Rhodes' Patent Sash Hanging Co.	187
Ritchie, A., & Co.	188, 189
Shaw & Carter	186
Smith, A., & Stevens	170
Smith & Turner	171
Winn, C., & Co.	172
Wright, Geo., Ld.	190—193

THOSE WHO

Kindly mention "The Contractors' Compendium" as the source of their information, when communicating with the Firms represented therein, render an important service in enabling us to secure the fuller support of Manufacturers, &c., thus making the Book more comprehensive and valuable as a Work of Reference.

Perfection in Silent Closing Door Springs.

ROBERT ADAMS,

NEW ADDRESS:

3 & 5 Emerald St. (opposite) Bedford Row, London, W.C.

IMPROVED "VICTOR" PATENT TRADE MARK

Pneumatic & DOOR- (OPEN WIDER THAN For Fixing in Floor

DOUBLE ACTION.
Without Check—Quality F.

For Doors not over

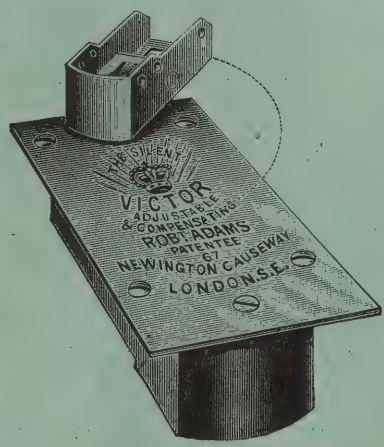
No. 330. 6ft. × 1ft. 9in. × 1½in. - **23/-**
No. 331. 7ft. 6in. × 2ft. 6in. × 2¼in. **34/-**
No. 332.—
For extra large or heavy doors **46/-**

Special non-freezing and non-corrosive Oil and Cans extra.

With Check—Quality F.

For Doors not over

No. 335. 6ft. × 1ft. 9in. × 1½ in. **33/-**
No. 336. 7ft. 6in. × 2ft 6in. × 2¼in. **44/-**
No. 337.—
For extra large or heavy doors **66/-**



The "CROWN VICTOR"

Double Action Spring Hinge, showing its unequalled opening capacity.

Oil Check SPRINGS ANY OTHERS) and Overhead.

SINGLE ACTION.
Steel-Faced.
With Check—Quality H.

For Doors not over

No. 350. 6ft. × 1ft. 9in. × 1½in. **28/-**
No. 351. 7ft. 6in. × 2ft. 6in. × 2¼in. **40/-**
No. 352.—
For extra large or heavy doors **54/-**

The "EMPRESS VICTOR" Pattern.

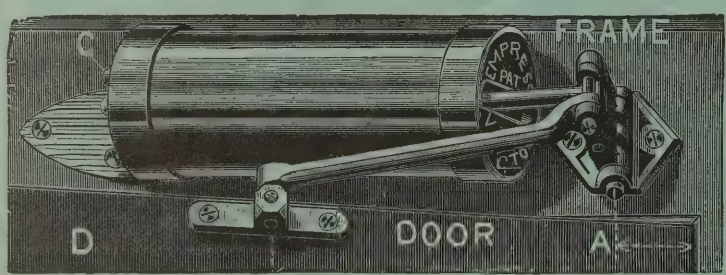


Fig. 1, as fixed on face of door.

Also suitable for fixing on the back of the door if desired.
Recommended for Inner Doors.
The Best Overhead Pneumatic Silent Door Spring.
Nickel-Plated. Superior Finish.

PRICES.

For Doors not exceeding.		Each.
No. 183.	2ft. 6in. wide × 1½ in	**18/-**
,, 182.	2ft. 8in. wide × 2in.	**22/-**
,, 181.	3ft. 6in. wide × 3in.	**26/-**
,, 180.	4ft. wide × 3in.	**33/-**

60 HIGHEST AWARDS.

The Patentee and . . Leading Maker of . . the Screwed Rod and Regulator System of Ventilating Gearing .

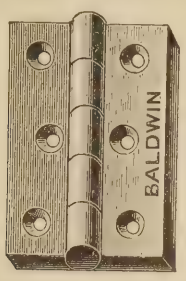
See page 199 for Gearing, Fittings, &c.

Please write for New Catalogue.

15 GOLD MEDALS AWARDED.

BALDWIN'S BUTTS

ARE MADE ONLY BY



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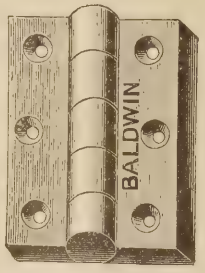

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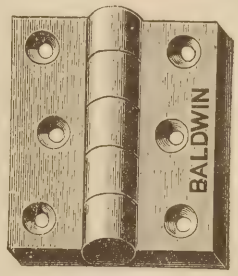


564

BALDWIN, SON & Co., Ltd.,

STOURPORT.

Also Broad Butts 200 and 564 of all Sizes.

PARLIAMENT HINGES, SKEW BUTTS, & CAST-IRON HINGES

OF ALL DESCRIPTIONS.

Buyers are earnestly requested to see that the name BALDWIN, *in addition to the quality number*, is cast on all the Butts they purchase—NONE OTHERS ARE GENUINE. These numbers were ORIGINALLY ADOPTED BY B. S. & Co. to distinguish the different qualities, but since these Butts have obtained favour with consumers, the numbers have been copied by other makers. They are now registered as their

TRADE MARK

AS

BALDWIN 200	BALDWIN 333	BALDWIN 564

B. S. & Co., Ltd., are also Makers of

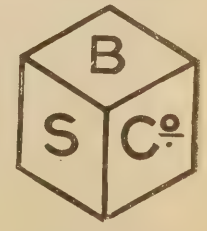
PRESSED STEEL BUTT HINGES No. X100

PRESSED STEEL BACK FLAPS No. X110

Pressed Steel Cabinet Butt Hinges No. X130

And other Patterns.

REGISTERED TRADE MARK.



STAMPED ON EVERY HINGE.

London Office: No. 59 HOLBORN VIADUCT, E.C.

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Telegraphic Address—"Hydraulics, London." **QUEEN'S ROAD, BATTERSEA, S.W.** Telephone—No. 115 Battersea.

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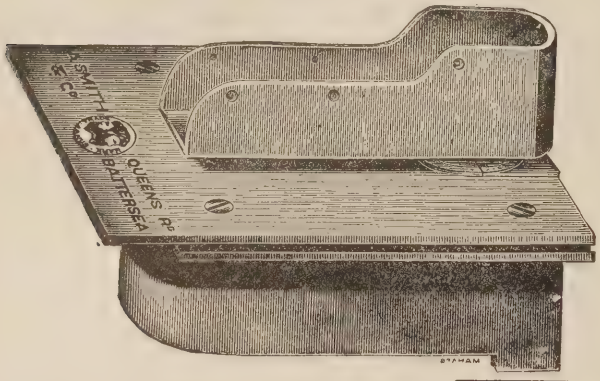
Birmingham—W. J. A. Kerr, 43, Church Street.

Dublin—Booth Bros., Upper Stephen Street.

Scotland, Northumberland, Durham, and Yorkshire—W. Regan, 2, Doune Terrace, Gourock, near Glasgow.

Holland—Hausmann Bros., Wijnstraat 46, Wijnhaven 37, Rotterdam.



Adjustable "Janus" Door Springs.

The **Original** "SMITH'S" SPRING. To avoid substitution of imitations, please specify our full name and address.

The "Model" Door Spring.

The "MODEL" Spring is of the same type as our "JANUS," but smaller in size, and is recommended where a cheaper article is required. Nevertheless it is of the same high-class workmanship and material as the "JANUS" pattern.

Reduced prices of "Janus" Door Springs.

No.	Size.	Price with Brass Trough Shoe.	Price with Iron Strap Shoe.	Extra for Outer Box.	Lubricant and Screws.
1	Y	35/0	33/0	5/0	1/8
2	Z	60/0	55/0	9/0	4/0

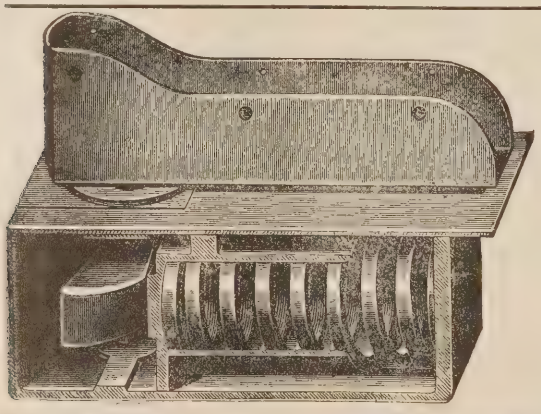
No. 1 Spring is suitable for Internal Doors up to 2 ft. 9 ins. wide.
No. 2 Spring is suitable for larger and External Doors.

Outer Boxes are recommended when Springs are let into Tile, Mosaic, Cement, or similar Floors. The Spring may then be moved for repairs without cutting up the floor.

Reduced prices of "Model" Door Spring.

Size.	Maximum Width of Door.	Price with Brass Trough Shoe.	Price with Iron Strap Shoe.	Extra for Outer Box
X	29 inches	23/0	21/6	3/6
Y	36 ,,	26/0	24/0	3/6
Z	42 ,,	28/0	25/0	3/6

Sympathetic Springs per pair, X size, with Brass Shoes, 87/6.
Lubricant and Screws, 1/8 per Spring.

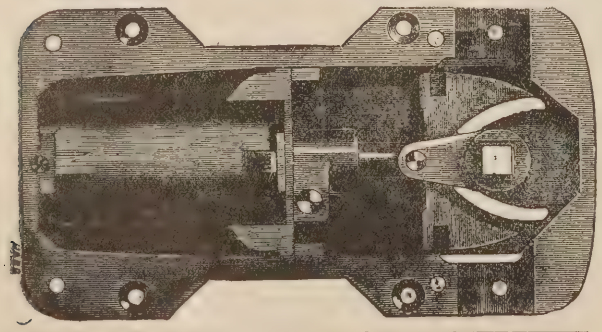


"Battersea" Door Spring.

A HIGH-CLASS London-made Spring at the lowest price yet offered. It is the simplest made, having only Two Moving Parts. *Samples on Trial.*

PRICES.

Size of Spring.	Maximum Width of Door.	Price with Brass Trough Shoe.	Price with Iron Strap Shoe.	Extra for Outer Box.
X	29 inches	19/0	17/0	3/6
Y	36 ,,	24/0	21/0	3/6
Z	42 ,,	26/0	23/0	3/6
Z 2	Larger or Exposed Doors.	28/0	25/0	3/6



PRICES for SYMPATHETIC SPRINGS QUOTED ON APPLICATION.

STEVENS' & MAJOR'S Hydraulic Spring and Check.

This CHECK SPRING was the *First* Spring placed on the market which combined the three functions of Spring, Hinge, and Check; and, in spite of the numerous imitations which immediately followed, it maintains its foremost position.

SIZES AND PRICES.

For Internal Doors up to	Size.	With Brass Shoe.	With Iron Strap Shoe. Double Action only.	Extra for Outer Box.
24 inches wide	X0	1 6 0	1 4 0	4 0
29 ,,	X	1 8 0	1 5 0	4 0
36 ,,	Y	1 13 0	1 9 0	5 0
42 ,,	Z	1 16 0	1 12 0	5 0
48 ,,	Z2	2 0 0	1 16 0	5 0

Specially Shallow Springs can be supplied when required for limited space between Floor line and Girders.

SMITH & TURNER,

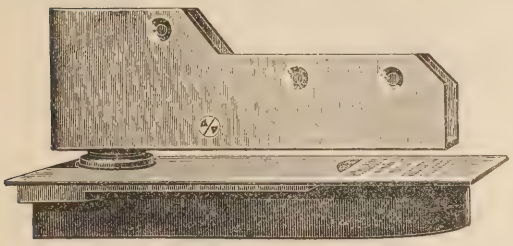
BARTHOLOMEW CLOSE, LONDON, E.C.

Smith's Patent and Ben Turner's

Patent Floor Door Springs,

WITH OR WITHOUT

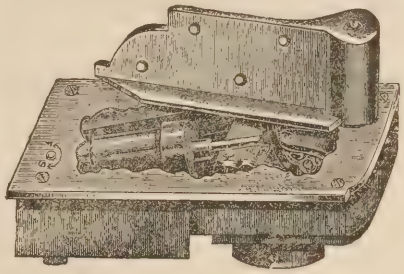
PNEUMATIC CHECK ACTION,



THE SILENT B.T.

AS USED BY
H.M. OFFICE OF WORKS,
WAR OFFICE,
ADMIRALTY, ETC.

PRICES .. from 20/-
DEPTH .. „ 1⅛ in.



SINGLE ACTION.

Also FANLIGHT OPENERS AND GEAR. *See page 771 "Architects' Compendium."*

Water and Sill Bars, Panic Bolts, Fanlight Openers, &c.

S. GERISH & CO.,

Buttesland Street, East Road, London, N.

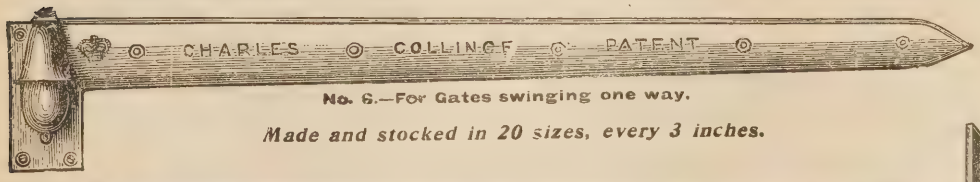
MAKERS OF GATE HINGES AND FITTINGS

On GERISH'S, COLLINGE'S, IMRAY'S, or REDMUND'S SYSTEM.

London Stock—200 TONS. **Established nearly 100 Years.**

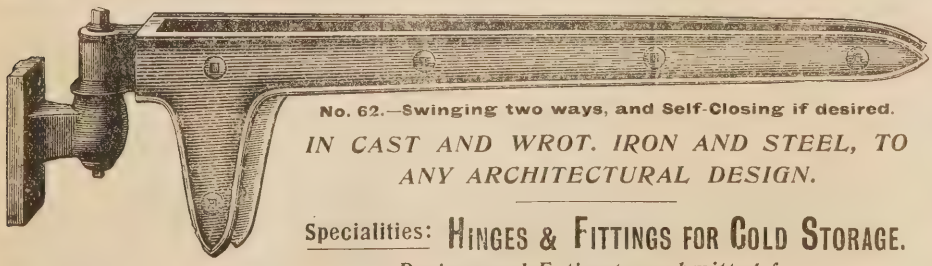
Gerish's Patent Spring Butts.

Over 100,000 Made and Sold.



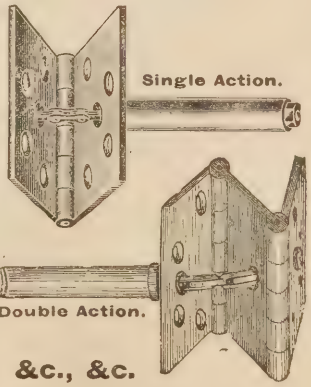
No. 6.—For Gates swinging one way.

Made and stocked in 20 sizes, every 3 inches.



No. 62.—Swinging two ways, and Self-Closing if desired.

IN CAST AND WROT. IRON AND STEEL, TO ANY ARCHITECTURAL DESIGN.



Single Action.

Double Action.

Specialities: HINGES & FITTINGS FOR COLD STORAGE.

Designs and Estimates submitted free.

Also GATE and WAREHOUSE, and PANIC BOLTS, &c., &c.

CHARLES WINN & CO.

St. Thomas Works,
Granville Street

Birmingham

BLOUNT DOOR CHECKS

Once Tried always used. THE VERY BEST.

Noiseless, Strong and Durable.

No Packing Leathers.

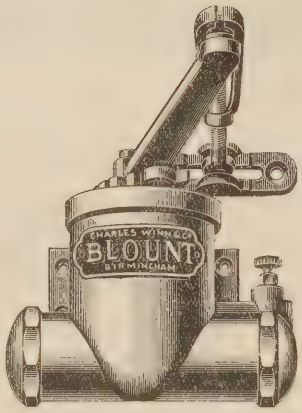
HAVE AN OIL CHECK.

No Lubrication needed.

Easily Fixed.

A Clever Mechanical Device fulfilling all requirements PERFECTLY.

Latch the Doors.



LEFT HAND.

This shows a C size Check, set for a door swinging to the left, looking at it from the HINGE SIDE of the door inside the room, as shown. WHEN ORDERING, PLEASE STATE WHICH HAND IS REQUIRED.

LIST OF SIZES AND PRICES.

Size		Gold Bronze finish.
O 1	—Suitable for screen doors	**17/6** each.
A 2	—Suitable for light doors	**20/-** „
B 3	—Suitable for ordinary doors	**25/-** „
C 4	—Suitable for heavy doors	**30/-** „
D 5	—Suitable for extra heavy doors	**40/-** „

These can be painted to match surrounding woodwork.

We call our Door Checks right or left in the same way that a Joiner calls his Locks right or left.

Also supplied in Artistic Bronze (fixed) Red or Steel, at 1/6, 2/-, 2/6, 3/-, 4/- extra, for the respective sizes.

Our friends must use their own judgment in regard to the size to be used where doors are exposed to strong draughts or high winds, and it is better to use a size too large than one too small in any case.

The unique point about this contrivance is that when properly adjusted, it closes the door smartly ***Right up to the Striking Plate,*** then checks the swing and quietly latches the door.

Selected after competition for use throughout the New General Hospital, Birmingham, and the Coliseum, London.

IN USE IN PUBLIC BUILDINGS, THEATRES, OFFICES, AND DWELLINGS THROUGHOUT THE COUNTRY.

ON SALE BY ALL IRONMONGERS.

Double Action.

Pneumatic Check.

Sole Address:—105, UNION STREET, BOROUGH, LONDON, S.E.

JAMES ADAMS & SON

PATENTEES and MANUFACTURERS of

The Slave. DOOR SPRINGS, CASEMENT STAYS, PANIC BOLTS, ESPAGNIOLETTE BOLTS, FANLIGHT GEAR, SASH FASTENERS, &c. The Fam.

Our Springs as at present made have never been shown at Exhibitions in competition or otherwise until this year, and we have not previously exhibited anywhere **for 11 years.**

BUT

The Government Offices, both at home and abroad, have discovered by trying them that our Springs are reliable and perfect in action, with the result that they are **now sending repeat orders in increasing number.**

JAMES GIBBONS, ST. JOHN'S WORKS, WOLVERHAMPTON.

MANUFACTURER OF

Established 1750.

LOCKS, DOOR SPRINGS, and BRASSFOUNDRY,
ART METAL WORK,
WROT. IRON AND STEEL CASEMENTS AND SASHES,
CELL WINDOWS, PRISON AND IRON DOORS,
FANLIGHT GEARING OF EVERY DESCRIPTION.

See Advt. in ARCHITECTS' COMPENDIUM (Pages 614—633, 724, 768, 769).

London Office, 9 SOUTHAMPTON ROW, HOLBORN, W.C.

Branches at MANCHESTER, LIVERPOOL, DUBLIN, BELFAST, GLASGOW, CARDIFF, BOURNEMOUTH, SOUTH AFRICA, AUSTRALIA, EGYPT, CANADA, BUENOS AYRES, SAN FRANCISCO.

Builders' Announcements,

Commencing on page **347**, showing the class of work various Building Firms are accustomed to undertake, are a valuable guide to Architects when placing contracts for the erection of Buildings, &c.

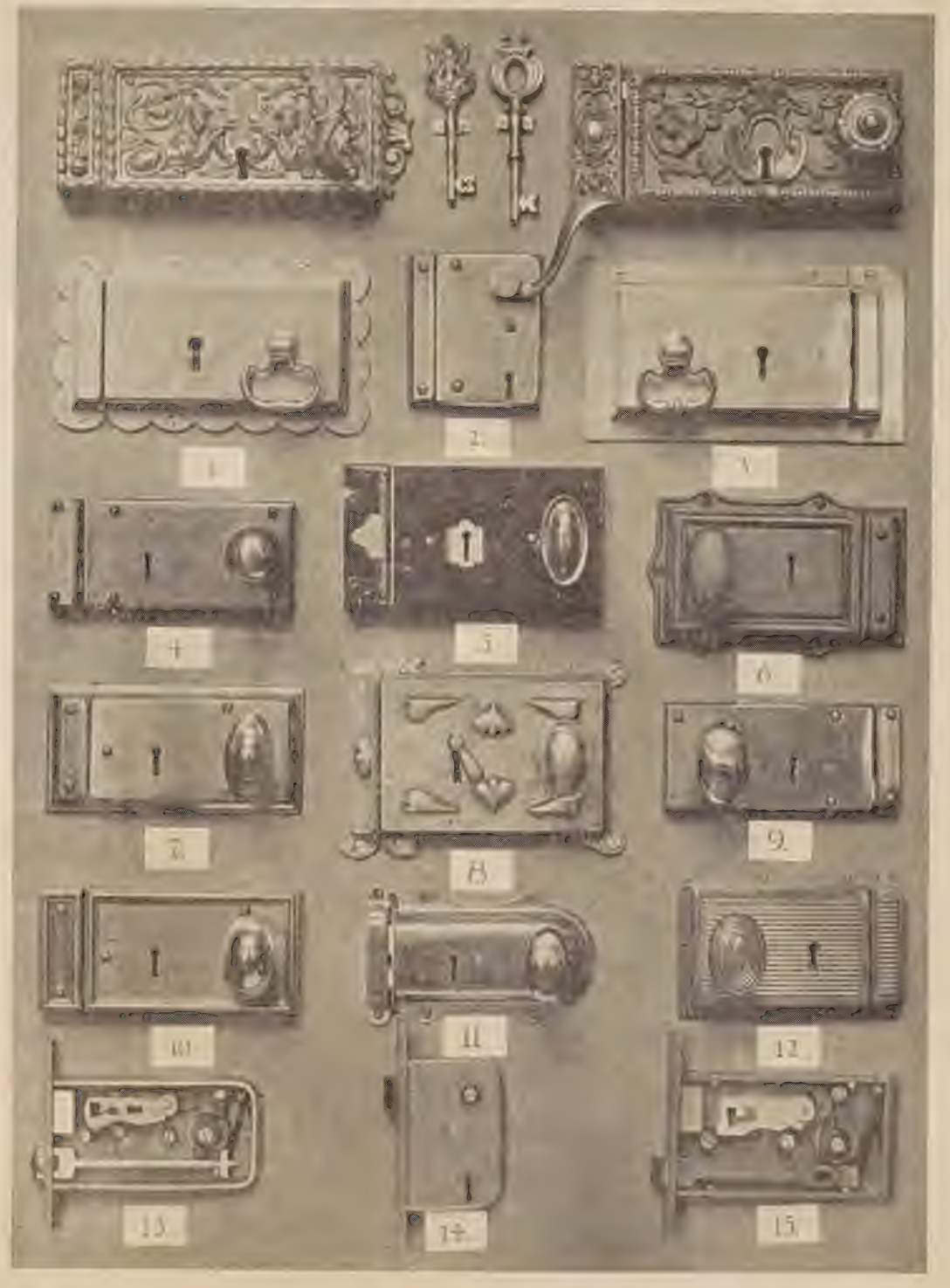
ESTABLISHED 200 YEARS.

J. B. & SONS' High-Class Ironmongery.

PRIZE MEDALS FOR LOCKS AND SUPERIOR IRONMONGERY.

J. H. BOOBBYER & SONS, DRURY LANE & KEAN STREET, ALDWYCH, LONDON, W.C.

Locks to differ and with Master Keys made to order. Cabinet Locks in great variety on Stock.



Nos. **1** & **3**, Brass Rim Lock, **20/-** each.
No. **2**. Brass Upright Rim Lock, **6/-** each.
No. **4**. Brass Rim Lock, **6/6**. Dull Black, **2/-** each.
No. **5**. Japanned Rim Lock, **2/- 2/9** each.
No. **6**. Dull Black Cast Cased Rim Lock, **3/-** each.
No. **7**. Brass Moulded Edge Rim Lock, **9/-** and **11/6** each.
No. **8**. Armour Bright Iron Antique Rim Lock, **14/-** each.
No. **9**. Plain Brass Rim Lock, **7/9** each.
No. **10**. Beaded Edge Brass Rim Lock, **16/-** each
No. **11** Stamped Brass Cased ditto, **5/-** each.
No. **12**. Reeded Brass Cased ditto, **18/-** each.
No. **13**. Roller Bolt Mortise Lock, 4 Lever, **8/6** each.
No. **14**. Upright Mortise Lock, 4 Lever, **10/-** each, also Roller Bolt.
No. **15**. Mortise Lock, 4 Lever, **9/-** each.

Furniture Extra.

DISCOUNTS ON APPLICATION.

ESTABLISHED 200 YEARS.

J. B. & SONS' High-Class Ironmongery.

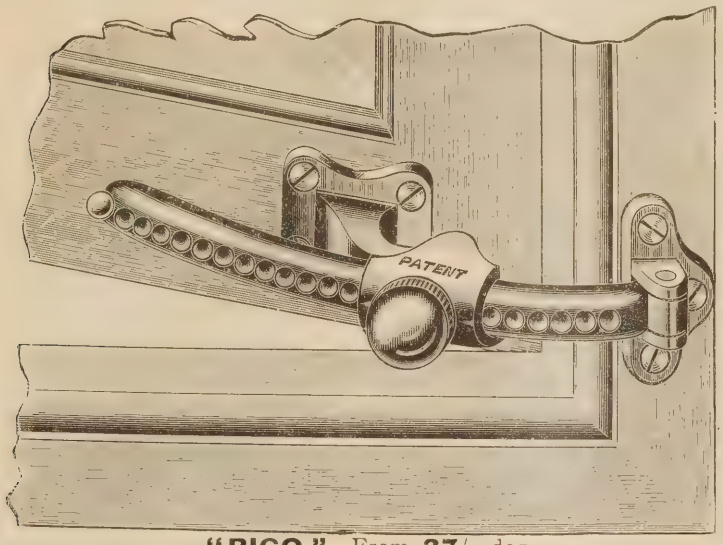
PRIZE MEDAL FOR LOCKS SUPERIOR IRONMONGERY.

J. H. BOOBBYER & SONS,

DRURY LANE & KEAN STREET, ALDWYCH, LONDON, W.C.

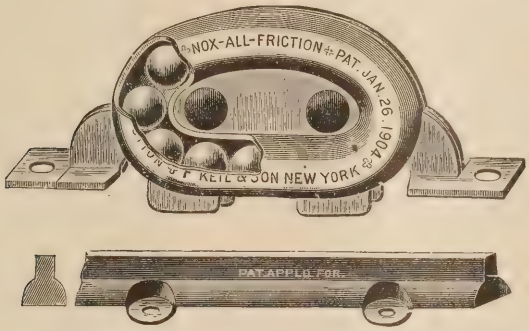
REGISTERED AND SPECIAL DESIGNS.

Telegrams:
"Boobbyer, London."
Telephone:
867 Central.



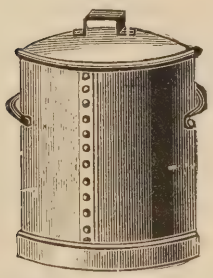
"RIGO." From **37/-** doz.

A large assortment of Stays and Fasteners in Dull Black and Brass on Stock.



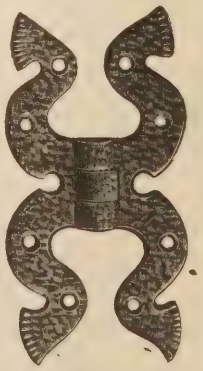
BALL-BEARING ROLLER AND TRACK.
For mortising into bottom of doors. **9d.** each, Large **1/-** each.

MANHOLE COVERS
from **5/-** each and upwards.

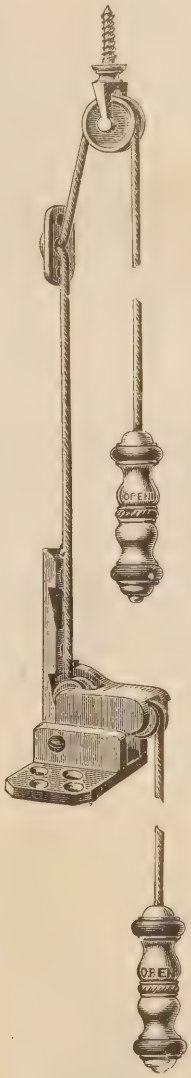


DUST-BIN, with stiffening band top and bottom From **4/6** each.

Galvanized Pails named in high relief to order.



ANTIQUE PATTERN HINGE,
1/3 pair.
A large assortment of this class or work.



"AS MEAKIN'S."
From **9/-** set.

Hopkinson's and other Patent Sash Fasteners in great variety.

DISCOUNTS ON APPLICATION.

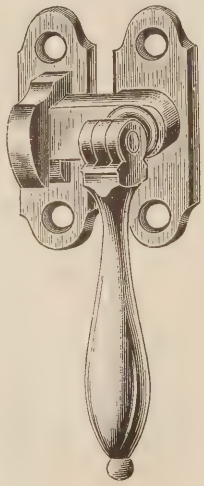
JAMES CARTLAND & SON, LTD.,

Manufacturers of every description of

CABINET, BUILDERS', FURNISHING AND NAVAL BRASS FOUNDRY,

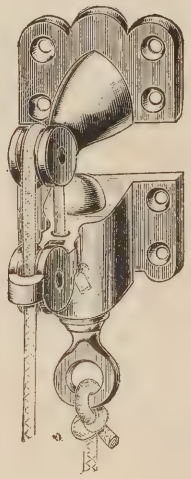
BIRMINGHAM.

CASEMENT FASTENER.



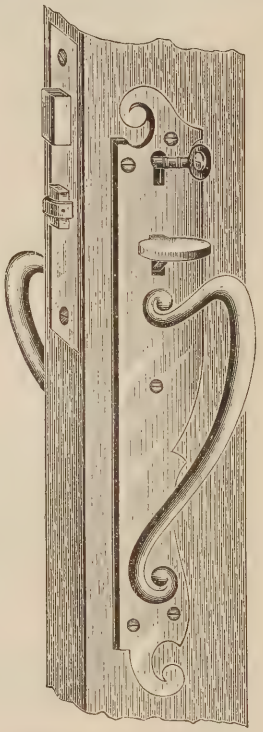
4730, with Hood, 17/6
with S.P., 15/-

FANLIGHT CATCH.



A 1107 ... 30/-
Polished.

SHOP DOOR LATCH.

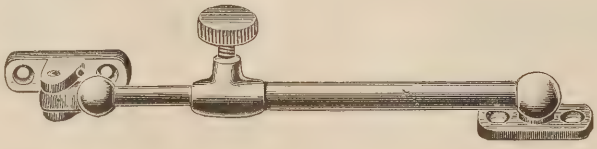


12 in. × 2 in.

A3883. For Roller Bolt Lock.
Latch Handles, 17/- pair } 30/-
Roller Bolt Lock, 13/- each } complete.
Rose Metal.
Latch Handles, 21/6 pair } 34/6
Roller Bolt Lock, 13/- each } complete.

IMPROVED TELESCOPIC CASEMENT STAYS.

½ in. Round Tube.



	12 in.	14 in. when extended.
B 44	30/-	32/- per dozen.

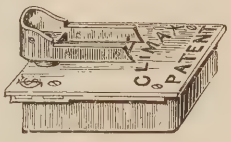
CARTLAND'S HELICAL DOOR SPRINGS AND HINGES.

As manufactured by the Original Patentees.

Single Action.
Iron, 5755. Brass, 5756.

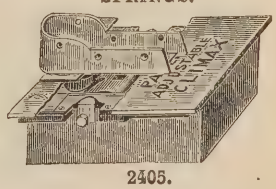
Double Action.
Iron, 5753. Brass, 5754.

CLIMAX FLOOR SPRINGS.



2401.
With Iron Strap ... 15/6 each.
With Brass Shoe, 2 in., 18/- ,,

ADJUSTABLE CLIMAX FLOOR SPRINGS.



2405.
With Iron Strap ... 20/- each.
With Brass Shoe, 2 in., 23/- ,,

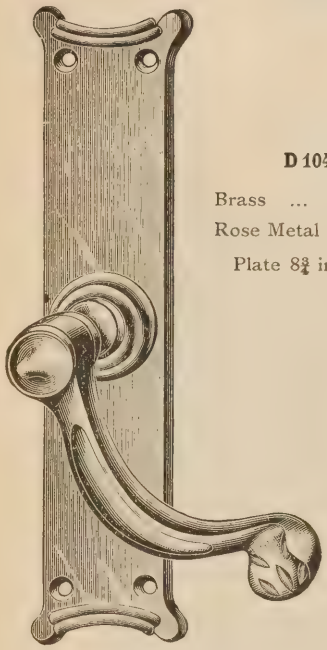
Our Illustrated Catalogue, either full size or abridged, will be forwarded to Architects on application.

London Show Rooms: 57, HOLBORN VIADUCT, E.C.

JAMES CARTLAND & SON, LTD.,

BIRMINGHAM, LONDON AND SYDNEY.

PITT'S CRANK ARM.



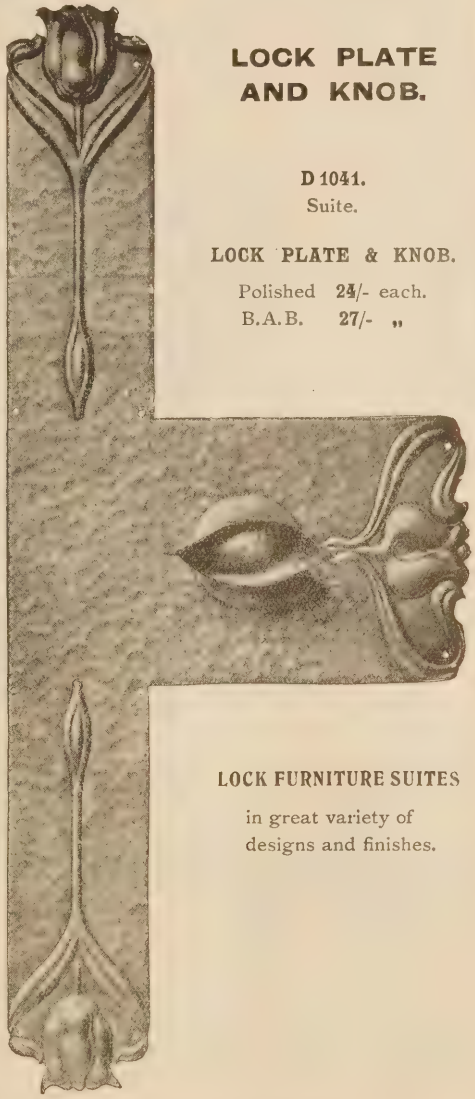
D 1047.

Brass ... 4/3 each.
Rose Metal 5/- ,,
Plate 8¾ in. long.

DOOR KNOCKER.

4622 10/- each.

LOCK PLATE AND KNOB.



D 1041.
Suite.

LOCK PLATE & KNOB.

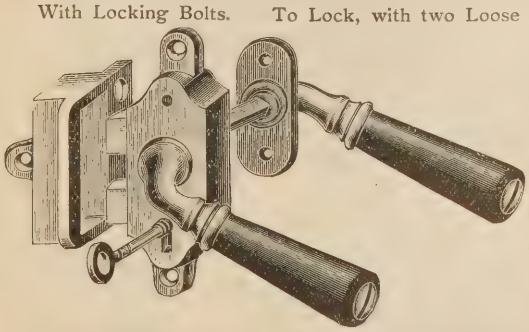
Polished 24/- each.
B.A.B. 27/- ,,

LOCK FURNITURE SUITES

in great variety of designs and finishes.

SHOP DOOR LATCHES, EBONY HANDLES.

With Locking Bolts. To Lock, with two Loose Keys.



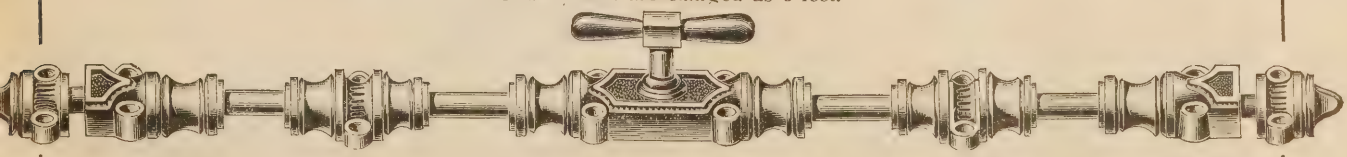
B 52
Polished, 17/- each.

Nickel-Plated, 20/ each.

The above illustration is Right Hand. State which hand required.

FRENCH WINDOW BOLTS TO SHOOT TOP AND BOTTOM.

Under 6 feet are charged as 6 feet.



A 2378 18/- each.
Extra length of Bolt 1/6 per foot.

For 1 in. Woodwork.

⅝ in. Round Rod.

Hobbs, Hart & Co., Ltd.

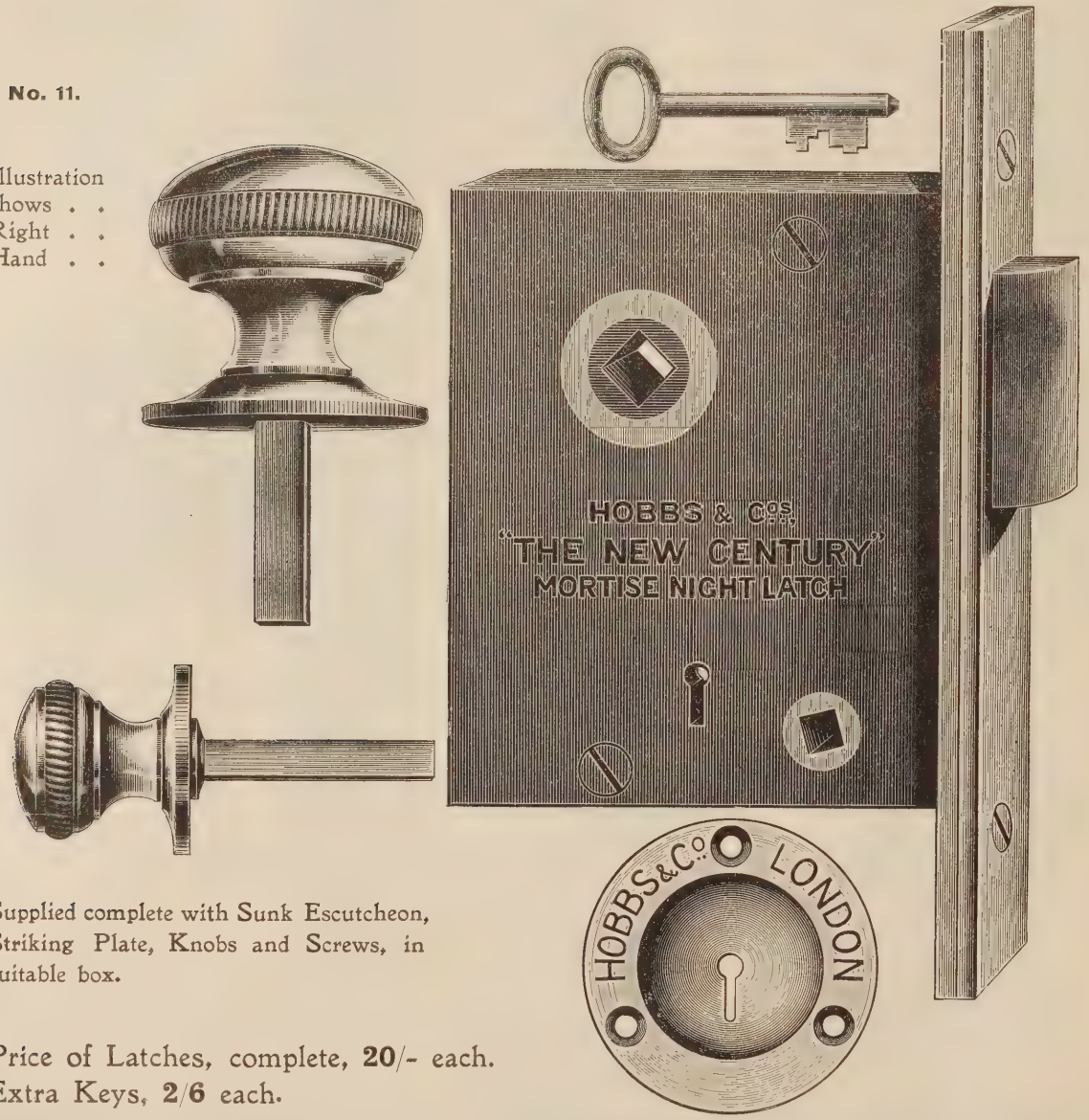
Hobbs & Co.'s "New Century" Mortise Night Latches.

TWO SMALL NICKEL-PLATED PIN KEYS EACH, AND WITH GUN METAL BOLTS.

Illustration shows Latch, Key, Escutcheon and Knobs full size.

No. 11.

Illustration shows . . Right . . Hand . .



Supplied complete with Sunk Escutcheon, Striking Plate, Knobs and Screws, in suitable box.

Price of Latches, complete, **20/-** each.
Extra Keys, **2/6** each.

SHOWROOMS :
76 Cheapside, London, E.C.

GENERAL OFFICES AND WORKS :
Arlington Street, Islington, London, N.

SEE ALSO PAGES IN SECTION F.

Hobbs, Hart & Co., Ltd.

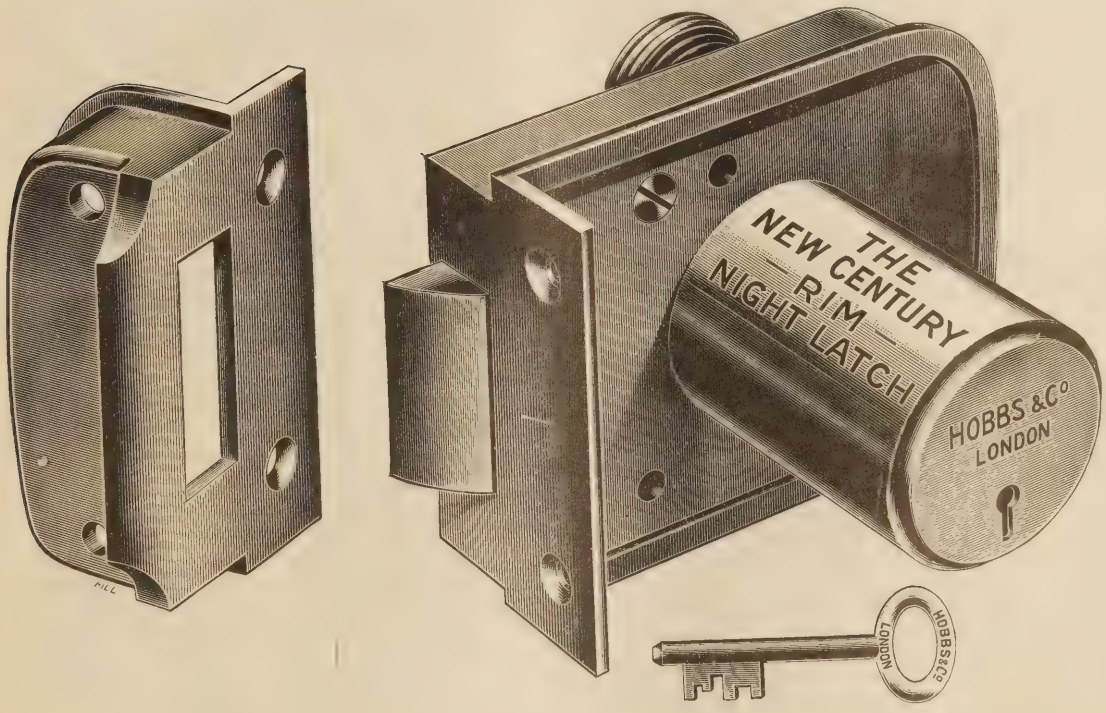
Hobbs & Co.'s "New Century" Rim Night Latches.

Made in Brass with Gun Metal Bolts and Barrels.

TWO SMALL SOLID NICKEL-PLATED PIN KEYS EACH.

Illustration shows Latch, Key and Staple, full size.

No. 12.



The Latches are without the complicated adjustments needed in fixing common to most small Keyed Latches, being self-contained, and in ordering, Hands right or left, with thickness of doors, should be given.

Both Rim and Mortise Latches are strongly recommended as containing all the elements of Hobbs & Co.'s principles of Lever security, and are superior to all other small Keyed Latches.

SUPPLIED COMPLETE WITH SCREWS IN SUITABLE BOX.

Illustration shows Left Hand.

Price of Latches, complete - - - - **22/6** each.

Extra Keys, **2/6** each.

SHOWROOMS :
76 Cheapside, London, E.C.

GENERAL OFFICES AND WORKS :
Arlington Street, Islington, London, N.

SEE ALSO PAGES IN SECTION F.

HOBBS, HART & Co., Ltd.

Manufacturers of

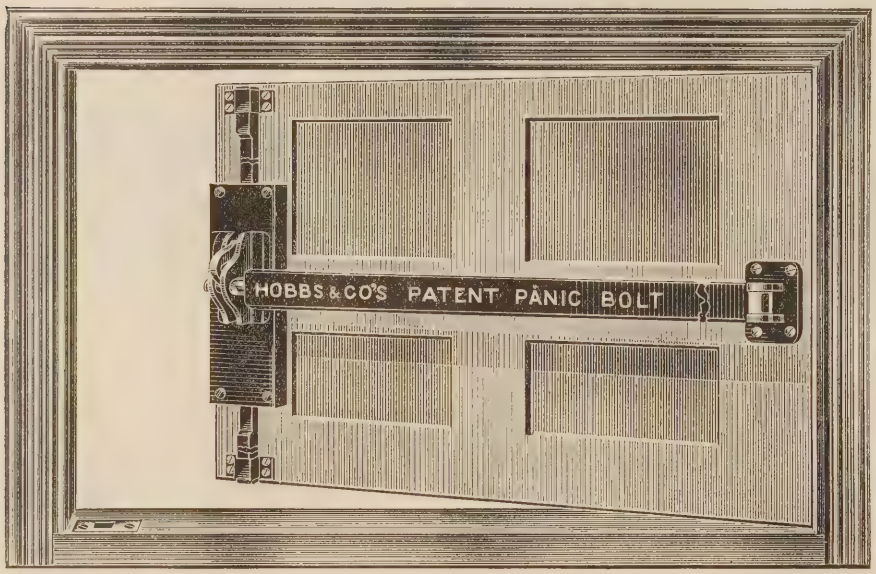
LONDON MADE LOCKS

FOR ALL REQUIREMENTS.

Lock Furniture and Fittings in every Material, and to Architects' Designs.

Specialities in Panic Door Locks

FOR THEATRES AND PUBLIC BUILDINGS.



For Wood Exit Doors in Infirmaries, Workhouses, Hospitals, &c., where requirements need the use of keys for opening by officials on both sides in course of duty, Mortise Panic Latches can be supplied *ensuite* to pass Sub and Grand Master Keys. In case of Fire or other alarm, Knobs under Glass Covers are provided, and instruction plates, enabling inmates to effect instant escape by breaking the Glass Cover and turning the Knob.

HOBBS, HART & CO. find it needful to caution Purchasers against Locks advertised as Hobbs' Pattern, but not manufactured by them.

MORTISE and RIM LOCKS to differ "ensuite," for Public Institutions, Asylums, Prisons, Infirmaries, Palaces, Mansions, and Ordinary Buildings.

Showrooms: 76 CHEAPSIDE, E.C.

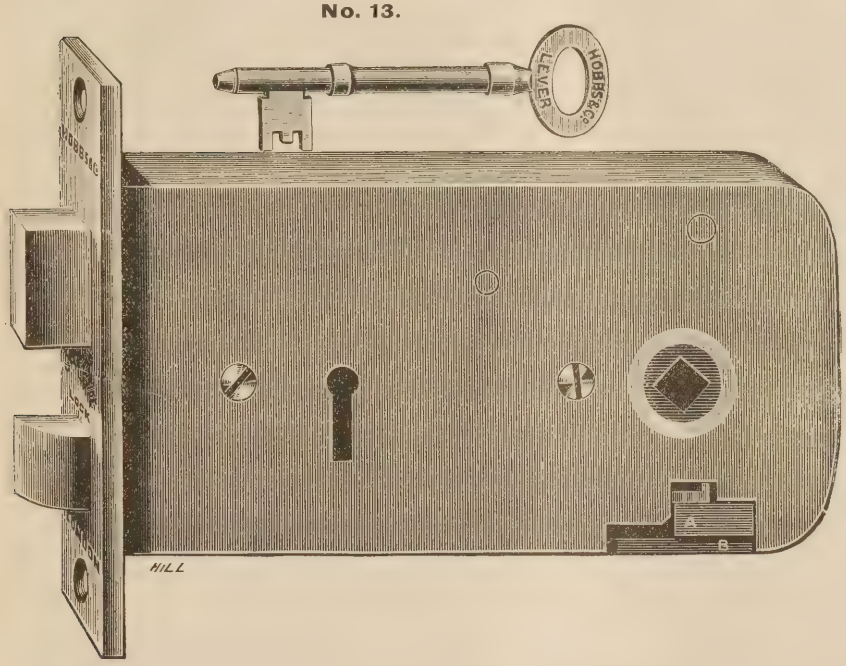
General Offices and Works: **Arlington Street, Islington, London, N.**

SEE ALSO PAGES IN SECTION F.

Hobbs, Hart & Co., Ltd.

"THE CHEAPSIDE" Patent Reversible Latch Bolt.

No. 13.



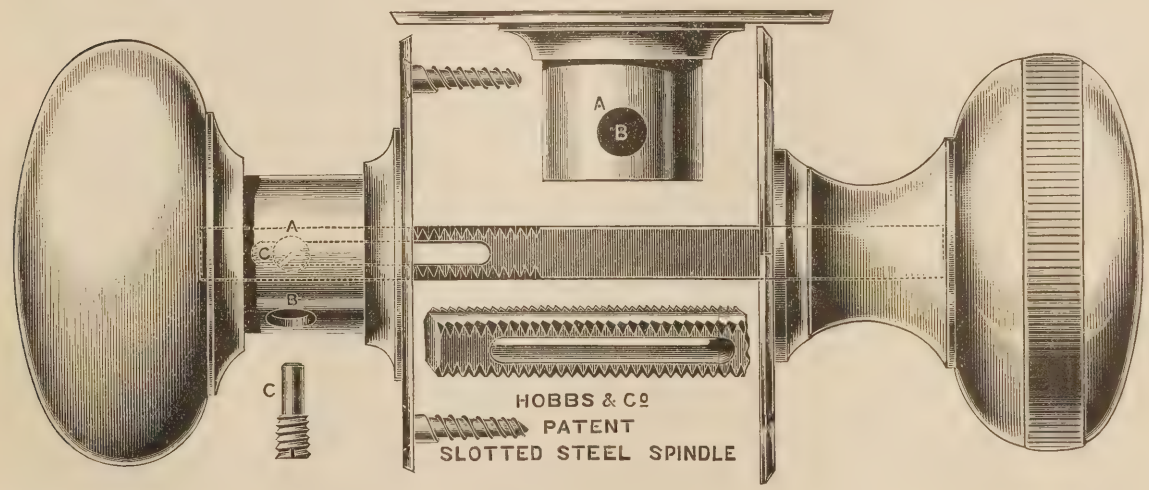
Hand can be reversed without removing the cap

6 × $\frac{5}{8}$ round end mortise, two brass bolts, and brass bushed follower.

Price, **5/3** each.
1 Key each.
Extra Keys, **1/3** each.

Hobbs & Co.'s Patent Slotted Steel Spindle Furniture.

No. 14.



The special features of these Spindles are permanent fixing one end, as illustrated, threaded for adjusting to any thickness of Door, the screw C passing into the Screw Hole B, and through the Slot in Spindle, the Rose can then be turned to cover the head of screw, and permanently fixed to door.

SHOWROOMS :
76 Cheapside, London, E.C.

GENERAL OFFICES AND WORKS :
Arlington Street, Islington, London, N.

SEE ALSO PAGES IN SECTION F.

90 & 91, HIGH HOLBORN, LONDON, W.C., 65, KING STREET, MANCHESTER, and SILENS WORKS, BRADFORD.

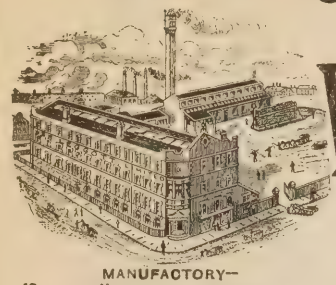
W. & R. LEGGOTT, LIMITED,

MANUFACTURERS OF MORTISE LOCKS, DOOR FURNITURE, GRIP HANDLES, FANLIGHT AND SKYLIGHT OPENERS, LANTERN AND ROOF-LIGHT GEARING, &c.

PLEASE WRITE FOR PRICE LISTS.

90 & 91, High Holborn, London, W.C., & Silens Works, Bradford.

and 65, King Street, Manchester.



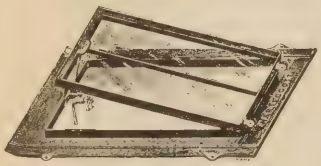
MANUFACTORY—
"SILENS" WORKS, BRADFORD.

W & R LEGGOTT Ltd

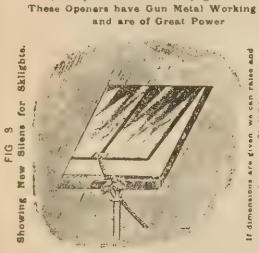
MANUFACTURERS OF

Fanlight & Skylight Openers, Lantern & Roof Light Gearing,
Door Grip Handles, Mortise Locks, Door Furniture, &c.

LONDON ADDRESS—
90 & 91, HIGH HOLBORN, W.C.



Leggotts' Cast Iron Skylights.
With their improved Silens Openers, specially made for Iron Skylights attached. These Openers have Gun Metal Working Parts, and are of Great Power



THESE SKYLIGHT OPENERS ARE UNSURPASSED

This shows the Adjustment fixed to light closing immediately under the head

When ordering these give distance from inside face of Window to face of Architrave

It is much better where there is a piece of wood 1" to 1½" thick above the light, to allow for fixing in the ordinary way

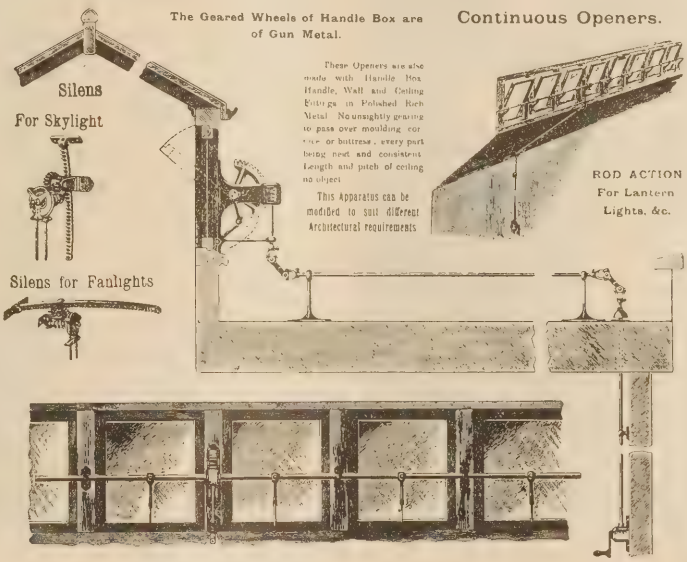
FIG L

LEGGOTTS'

Is the most Effective System of Gearing for Lantern Lights, Louvres, and Skylights, &c.

The Geared Wheels of Handle Box are of Gun Metal.

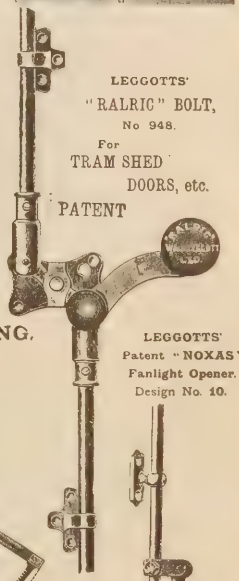
Continuous Openers.



These Openers are also made with Handle Box Handle, Wall and Ceiling Fittings in Polished Rich Metal. No unsightly gearing to pass over moulding cornice or buttress, every part being neat and consistent. Length and pitch of ceiling no object.

This Apparatus can be modified to suit different Architectural requirements

DESIGN No. 38.
This is most effective for Tiers of Double Lights where Window is not too broad.



LEGGOTTS'
"RALRIC" BOLT,
No 948.
For
TRAM SHED
DOORS, etc.
PATENT

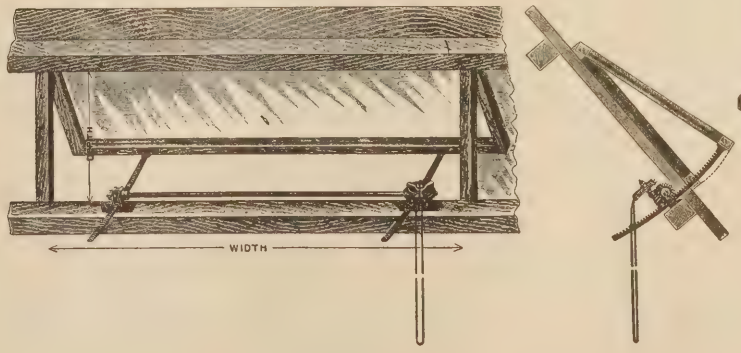
Double "Krinsero." Design No. 26.

These Openers are made in several sizes and of the best Malleable Iron Fittings. Highly finished Solid Steel Rods, Square cut thread on Upright Rod, and Gun Metal Mitre Wheels in Handle Box—also made in Part Gun Metal and All Gun Metal.

LEGGOTTS' PATENT "HENDOW" SKYLIGHT GEARING.

Design No. 45

For Roof-lights of great superficial area and unusual weight the Patent "Hendow" has no equal.



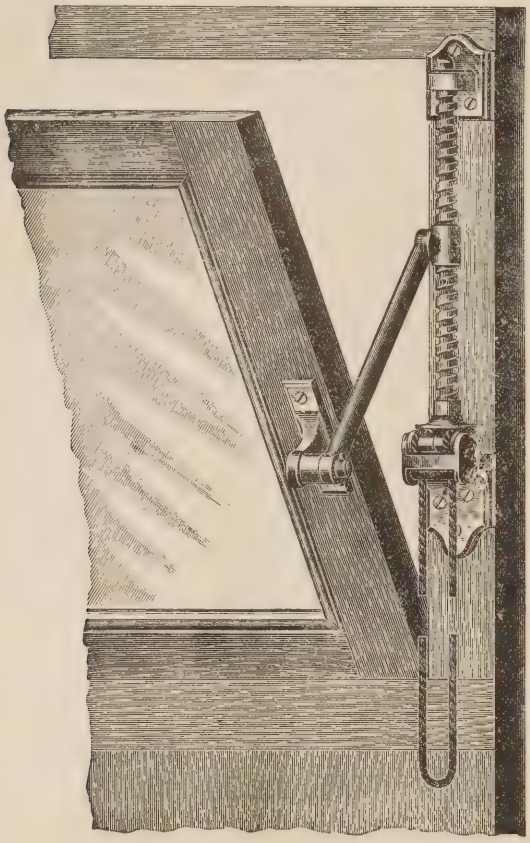
It will be seen at a glance that this arrangement, being fixed at either end of the light and connected by a solid Steel Rod, prevents all straining and warping of the Sash, and opens quite easily.

This Gearing is specially adapted for purposes where the lights are very broad or very heavy and can be made to open lights of any size or weight.

In Ordering please give full dimensions.

LEGGOTTS'
Patent "NOXAS"
Fanlight Opener.
Design No. 10.

LEGGOTTS' "WILMOS" FANLIGHT OPENERS.



Example for Scheduling—

"12 Leggotts' "Wilmos" Fanlight Openers, as per Design No. 24, in Polished Gun Metal."

Made in Best Malleable Iron, Part Gun Metal, and all Polished Gun Metal.

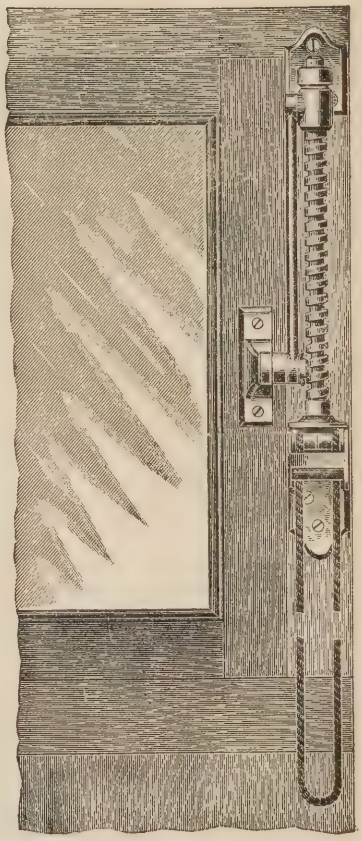


Fig. G. Design No. 24, worked with cord.
Design No. 24 For Lights hung at bottom, opening inwards, to work by cord.
" No. 22 " " top, opening outwards, " "
Above also made to work with Handle Box.

The "Wilmos" Fanlight Opener is worked with a rod or endless cord, and will be found the most perfect article yet made for efficiency in working and smartness in appearance. When fixed it only projects 2 inches. It is made to open Fanlights inward, outward, top, or bottom; is easily fixed, no cutting away or letting in being necessary, but simply screwed on. When ordering please state Design Number.

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PATENT STEEL CABLE DRAIN MACHINE.

This Machine is fitted with an enlarging joint so that the appliances may be used either with the Patent or the ordinary Malacca Rods. **PRICES ON APPLICATION.**

COMPLETE DRAIN CLEARING MACHINES,

IN BEST MALACCA CANES.

30 feet Drain Machine, consisting of 10 three-feet Rods, Double Worm Screw, Rubber Plunger and Brush	36/-
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70 ,, ,, ,, ,,	78/-
80 ,, ,, ,, ,,	88/-
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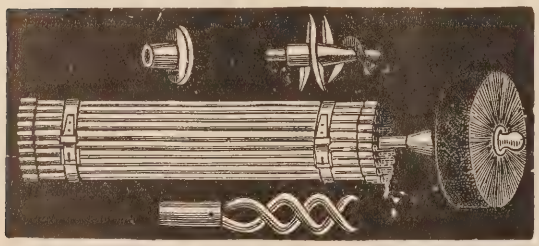
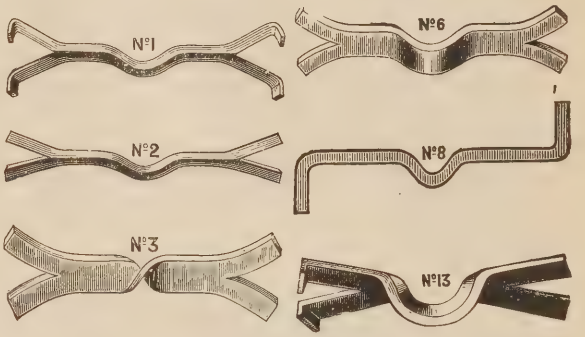
For House, Factory, Farm, Institutions, Schools, Barracks, &c. (Three Feet Rods.)



WROUGHT AND CAST IRON WALL TIES.



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With Ring at one end and Hook at the other. 12 ft. long by 8 b.w.g.

Highly recommended for their great strength and reliability.

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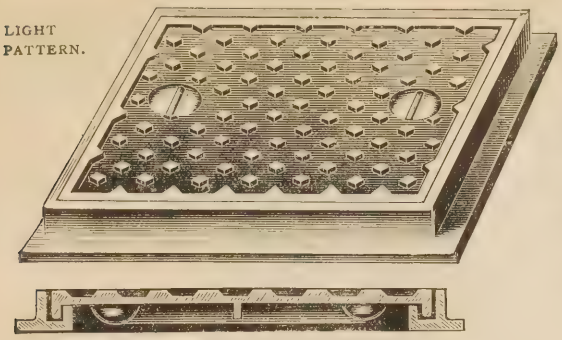

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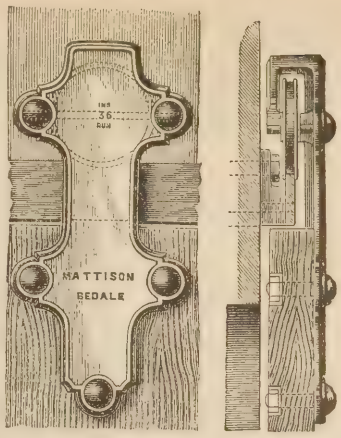

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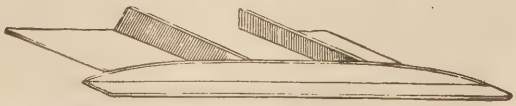
BY  USING

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1 ft. 6 in. opening	3/6	3 ft. 6 in.	9/-
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3 ft. 2 in. and 3 ft. 3 in.	7/9	4 ft. 6 in. opening, 5 ft., 5 ft. 6 in., 6 ft.	16/-
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See also Page 152 and 153.

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HEAVY KITCHENER,
complete with Iron Covings, long Damper Rods, Ash-pit Linings, and Cinder Sifter, &c., as shown.

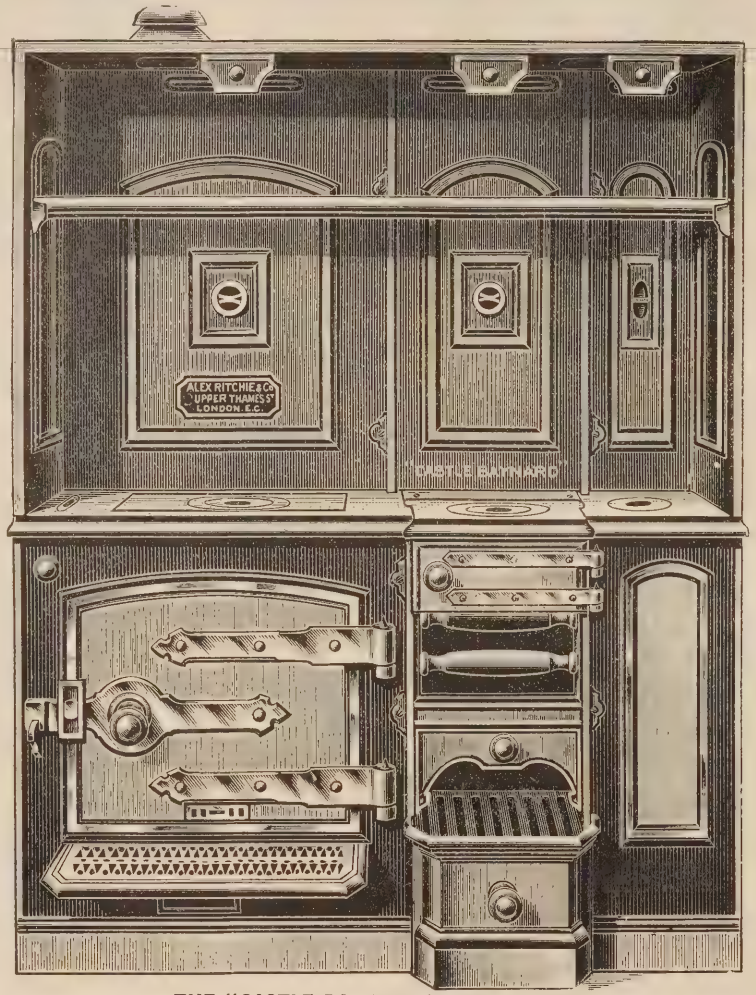
The average thickness of Hot-plate is ⅝in., the Cups and Rings being fully 1in., and all wearing parts strong and easily renewed.

Height to Hot-plate, 27in.

TOTAL HEIGHT, 54in.

Depth of Hot-plate, 18in.

Also made with Open and Close and Lifting Fire Arrangements, and Tiled Covings.



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No. 40a.
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Lavatories Closets, Urinals, Sinks, etc.

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BATH
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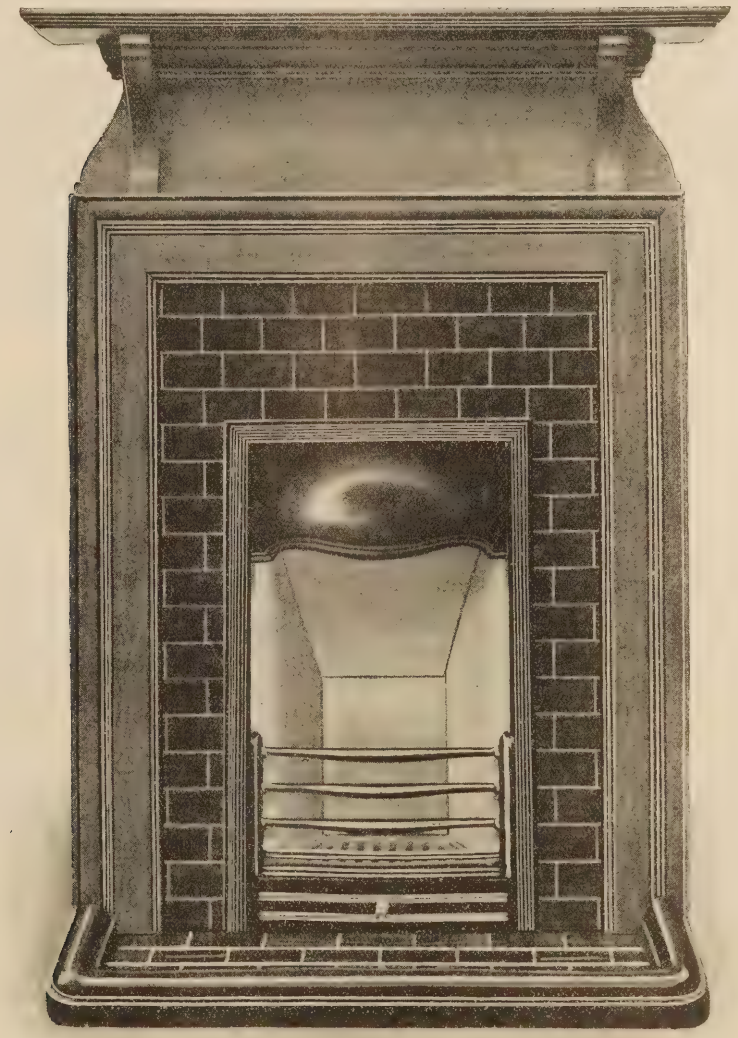

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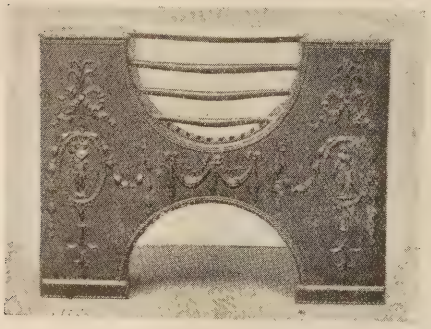
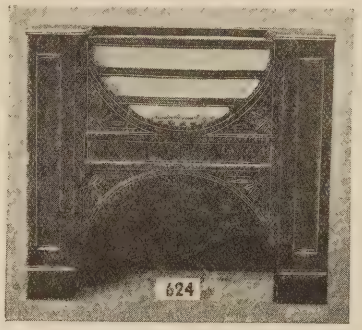


877 E.

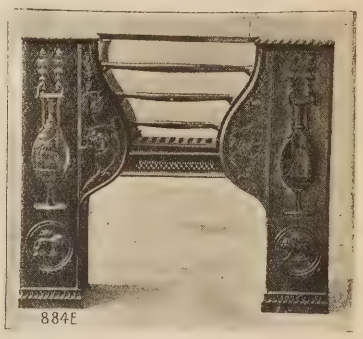
24½ in. high. 32 in. wide.
16 in. Fire.

Fine Cast ...	£1 10 0
Second Finish	1 15 0
First ,,	2 0 0



624

22 in. high. 24 or 26 in. wide.
15 in. Fire
£1 2 6

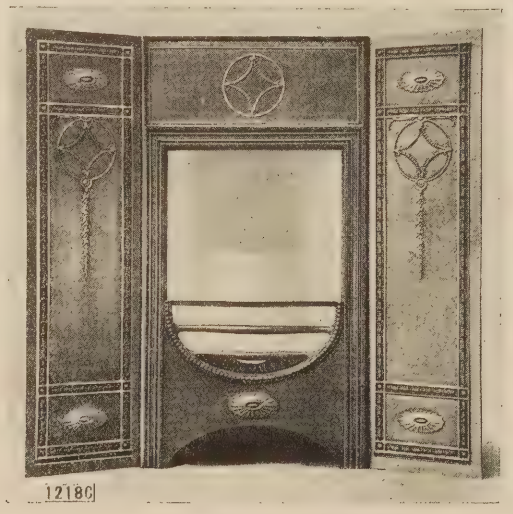


884 E.

21 in. high. 24 in. wide.
13 in. Fire.
Fine Cast, Blacked, £2.

32 in. high. 16 in. wide.
12 in. Fire.

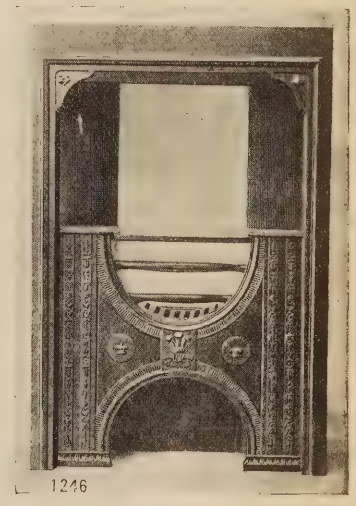
Fine Cast ...	£1 7 0
Best Black ...	1 15 0



Interior and Iron Panels; Fine Finish and Bright Relief.

Interior	£2 10 0
Pair Panels ...	2 0 0

39 × 38 high × 15½ in. Fire.



Hob Grate.
25 × 38 × 12 in. Fire.
Dead Black ... £3 10 0

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1183.

Width.	Height.	Shelf.	Fire.
30 in.	52½ in.	37 × 6 in.	12 in.

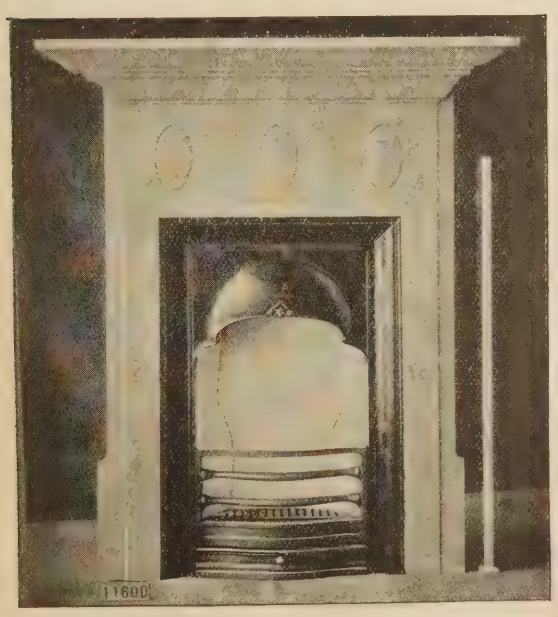
Painted One Coat, £2 2s. 6d.

1190.

With Swing Canopy.

Width.	Height.	Double Shelf.	Fire.
30 in.	45 in.	39 × 6 in.	15 in.

Painted One Coat, £2.
Plain Panel in Frieze, same price.

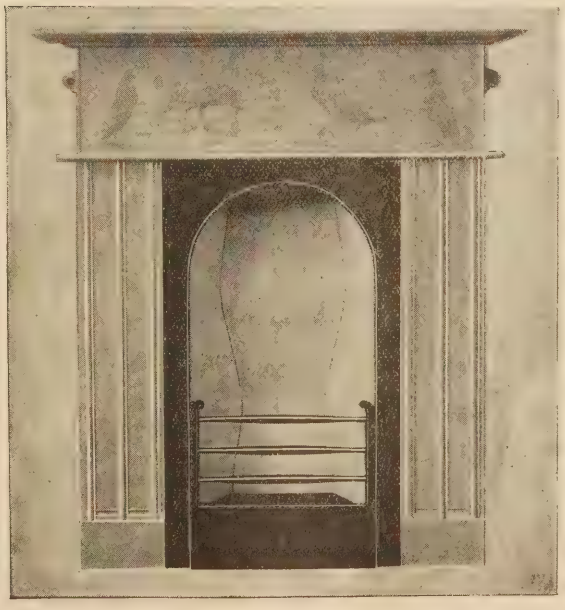


1160 D.

With Swing Canopy.

Width.	Height.	Double Shelf.	Fire.
30 in.	45½ in.	40 × 6 in.	15 in.

Painted One Coat, £1 15s.



N 195.

Width.	Height.	Shelf.	Fire.
33 in.	43½ in.	39 × 5 in.	15 in.

Painted One Coat, £2 15s

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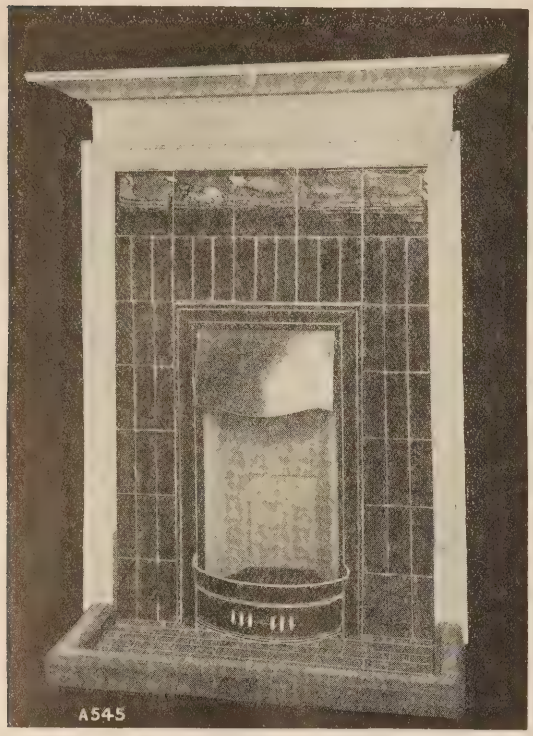


WOOD MANTELPIECES.

Opening. Width. Height.	Jamb.	Height Shelf.	Extreme Width.
30 × 42in.	3in.	51in.	44in.

		Pine Primed.	Oak Fumed.	Walnut Polished
A 545.	MANTELPIECE	33/-	63/-	72/6

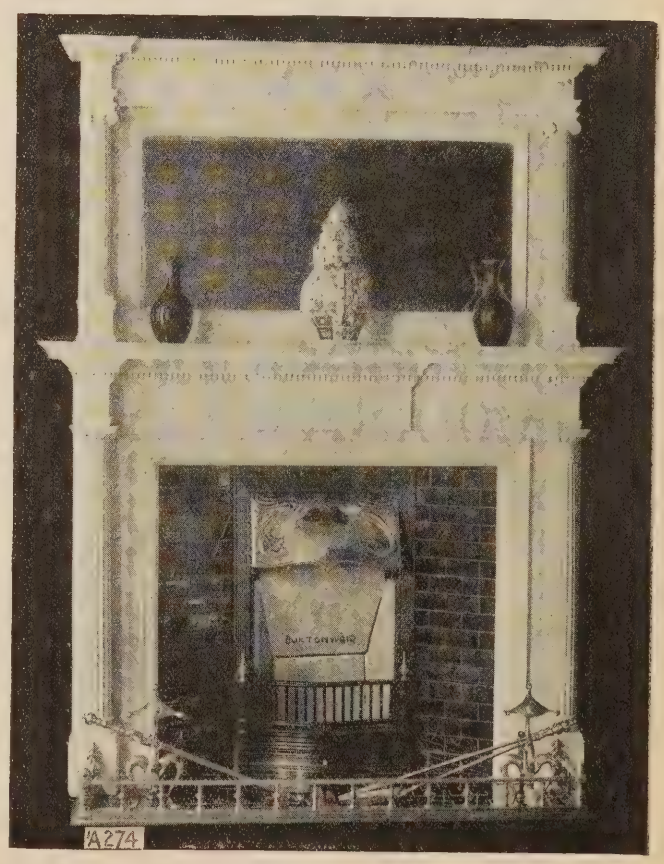
	£ s. d.
Best Finish Interior Stove, adjustable Canopy, 18 × 30in., with Top Plate to carry Tiles	1 18 6
Slabbed Tile Surround, Embossed Frieze ...	1 10 0
Hearth Tiles to match, 60, $4\frac{1}{4} \times 2\frac{1}{8}$in. ...	0 8 4
	£3 16 10

Berlin Black Iron Curb, 12/-

	Pine Primed. £ s. d.	Oak Fumed. £ s. d.	Polished Walnut or Mahogany. £ s. d.
A 274. MANTELPIECE	7 5 0	10 7 6	11 5 0
A 274. OVERMANTEL, with Bevelled Mirror	7 15 0	10 7 6	11 5 0
	£15 0 0	£20 15 0	£22 10 0

	£ s. d.
Best Finished Interior, Brass Adjustable Canopy, Black Fret, 18in. Fire ...	4 6 0
Tile Panels, any Plain Enamels... ...	1 10 0
Hearth Tiles to Match, 120, $4\frac{1}{4} \times 2\frac{1}{8}$in....	0 16 8
Building-in Plate	0 2 6
	£6 15 2

Opening. Width. Height.	Jamb.	Height Shelf.	Extreme Height.	Extreme Width.
40 × 38in.	10in.	52in.	87in.	66in.



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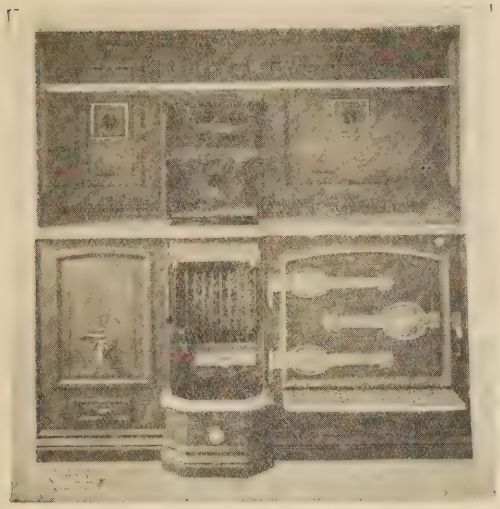


O. 163 E. With Oven and Side Boiler, 19 in. deep, 27 in. high, Covings 54 in.

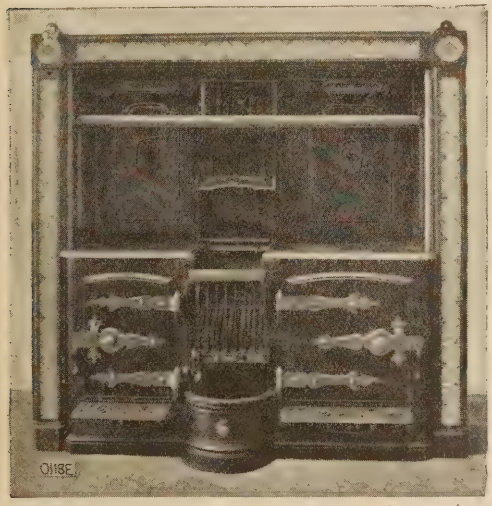
Width.	Metal Covings.	Tile Covings.	Back Boiler, Flat Arch Flue
42 in.	£9 5 0	11 2 6	1 4 0
48 in.	9 17 6	12 0 0	1 5 6
54 in.	10 5 0	12 15 0	1 6 6

Jamb Mouldings and Circle Corners, £1 15s.
Circle Corners only, 10s. extra.
If Ordinary Close Fire, 7s. 6d. less.
If without Lifting Fire, 7s. 6d. less.

O. 164 T. 20 in. deep, 30 in. high, Covings, 60 in.

Width.	Metal Covings.	Tile Covings.	Back Boiler, Flat Arch Flue.
48 in.	£9 10 0	11 7 6	1 5 6
54 in.	10 15 0	12 17 6	1 6 6
60 in.	11 15 0	14 5 0	1 8 9

Jamb Mouldings and Circle Corners, £1 15s.
Circle Corners only, 10s. extra.
If with Open and Close Fire, 10s. extra.
If with Lifting Fire, 10s. extra.



O. 118 E. 21 in. deep, 30 in. high, Covings 57 in.

Width.	Metal Covings.	Tile Covings.	Boot Boiler, Flat Arch Flue.
48 in.	£15 0 0	17 0 0	3 0 0
54 in.	16 15 0	19 5 0	3 7 6
60 in.	18 10 0	21 0 0	3 15 0

If H.P. Back Boiler, 28s. 6d., 30s. 6d., 33s. 6d. extra.
Tiled Jamb Mouldings, 48 in. and 54 in., £3; 60 in., £3 5s. extra.
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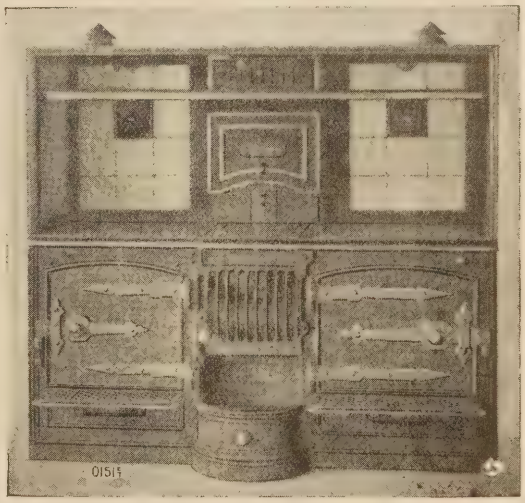

O. 151 E/T. 22 to 24in. deep, 33 in. high, Covings 60in.

Width.	Metal Covings.	Tile Covings.	Boot Boiler, Flat Arch Flue.
48 in.	£17 0 0	19 0 0	3 5 0
54 in.	19 0 0	21 5 0	3 7 6
60 in.	21 0 0	23 10 0	3 12 6
66 in.	23 0 0	25 15 0	4 2 6
72 in.	25 0 0	28 0 0	4 2 6

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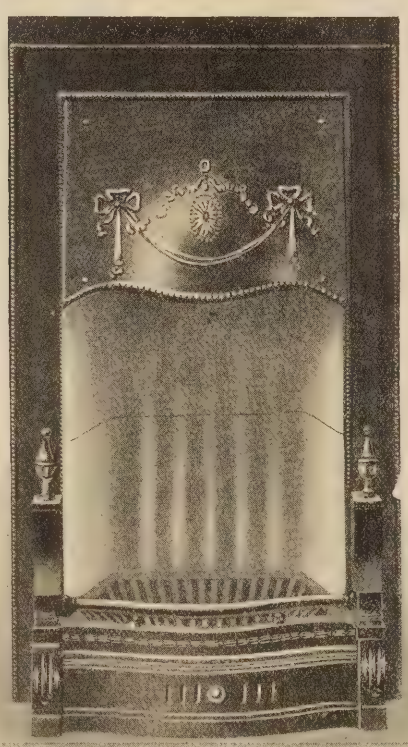
HOT WATER HEATING APPARATUS,
ETC.



No. 4M INTERIOR GRATE.

CAN BE HAD
IN
ENAMEL FINISH,
ANY COLOURS
AND
IMITATIONS
OF
WOODS
OR
MARBLES.

Warrington, Pendleton, Manchester, Liverpool, London, and Brussels.

Combined Showrooms:

130 and 132 DEANSGATE, MANCHESTER.
17 ISLINGTON, LIVERPOOL.
PALATINE WORKS, WARRINGTON.
134 QUEEN VICTORIA STREET, LONDON, E.C.
20 RUE T' KINT, BRUSSELS.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section L.

Sashes, Casements and Frames. Gearing & Fittings.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE		PAGE
Adams, Robert	199	Gardiner, Sons & Co., Ld.	196, 197, 202
Cartland, J., & Son, Ld.	200, 201	Hayward Bros. & Eckstein, Ld.	198

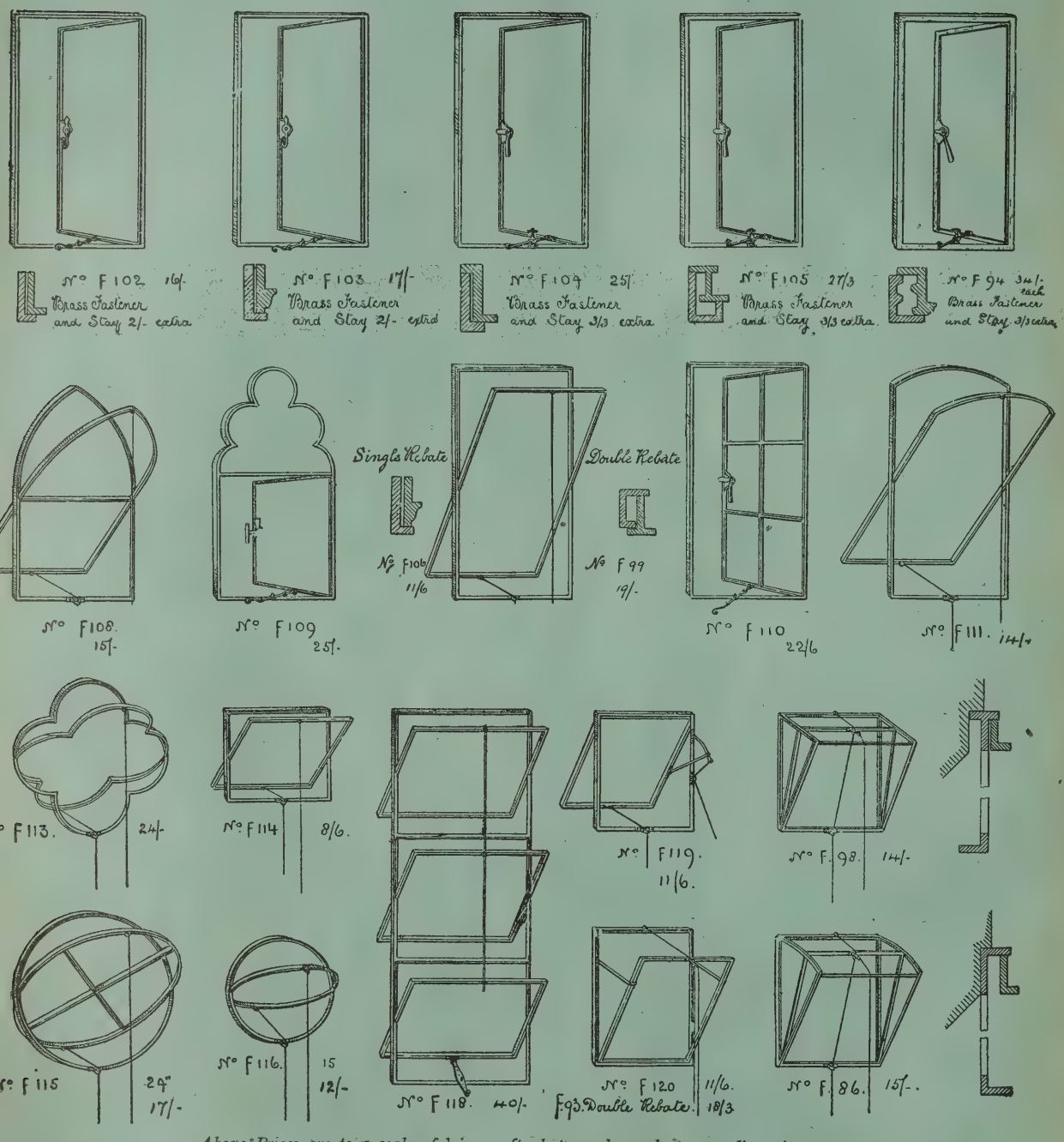
THOSE WHO

Kindly mention "The Contractors' Compendium" as the source of their information, when communicating with the Firms represented therein, render an important service in enabling us to secure the fuller support of Manufacturers, &c., thus making the Book more comprehensive and valuable as a Work of Reference.

GARDINER, SONS, & Co., Ltd.,

Telephone: 867. **NELSON STREET & MIDLAND IRON WORKS, BRISTOL.** Telegraphic Address: "Gardsons, Bristol."

IMPROVED WROT. IRON CASEMENTS.



Above Prices are to a scale of ½-in. = 1-ft., but can be made to any dimensions.

DISCOUNTS AND SPECIAL PRICES FOR LARGE QUANTITIES ON RECEIPT OF SPECIFICATIONS.

For Lifts and Iron Doors see Sections F & J. **Complete Catalogue sent on application.**

GARDINER, SONS, & Co., Ltd.,

Telephone: 867. NELSON STREET & MIDLAND IRON WORKS, BRISTOL. Telegraphic Address: "Gardsons, Bristol."

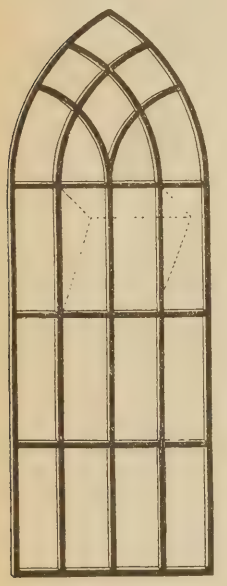
Improved Wrot. Iron Mitre Joint Sashes.

No. F. 128.

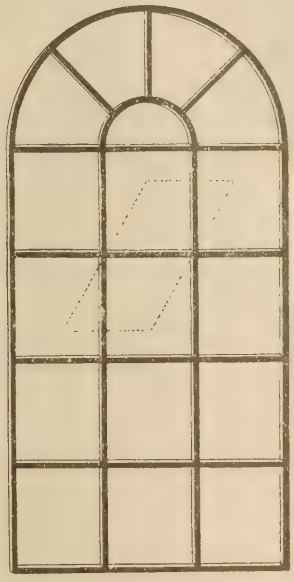
No. F 127

No. F 126.

No. F 129



No. F. 132



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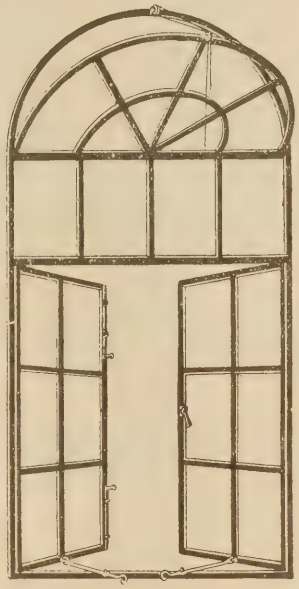
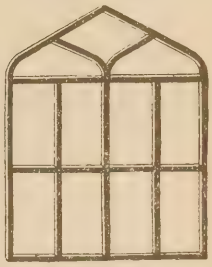
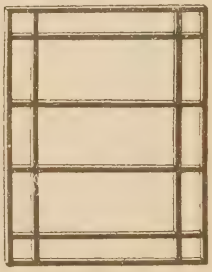


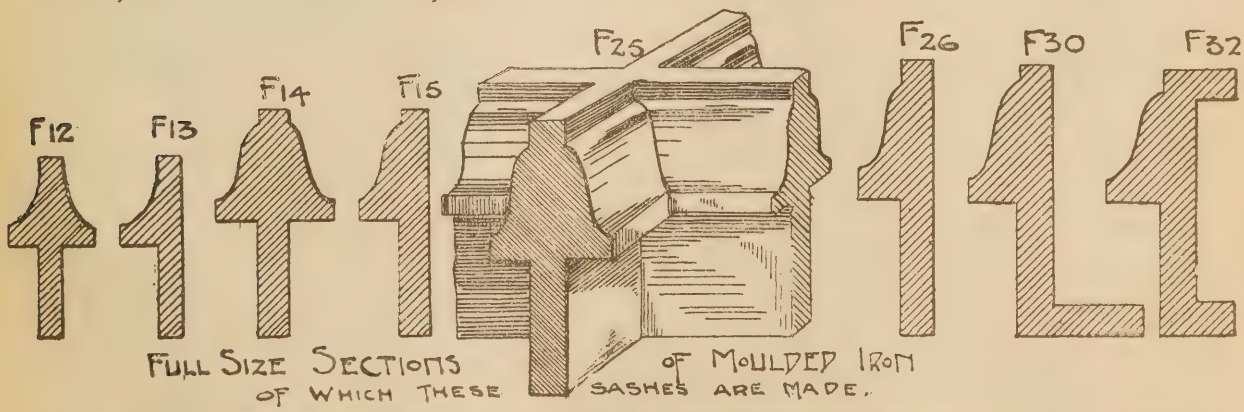
No. F 167



No. F 136.



No. F 137



Prices vary from 6d. to 2s. 6d. per ft. super. according to quantities, sizes, number of Panes, Section of Iron, and Design.

EXACT ESTIMATES ON RECEIPT OF REQUIREMENTS.

The Sashes are in every way superior to Cast Iron, being practically unbreakable, and offer less obstruction to light

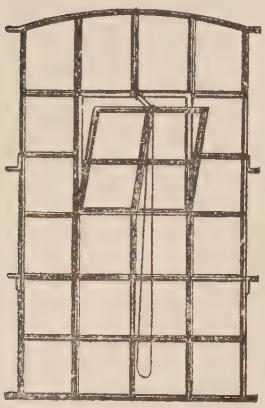
For Lifts and Iron Doors see Sections F & J. **Complete Catalogue sent on application.**

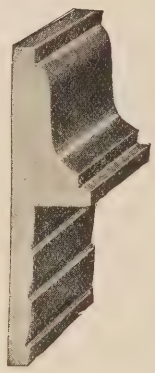
HAYWARD'S PATENT "PUTTY GROOVED" STEEL SASHES.

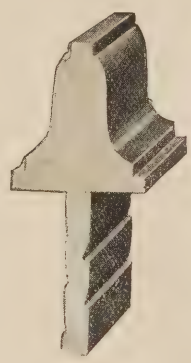
Opening Sashes to all Requirements.

Full size sections of 1¾ in. Bars. Also made in 1½ in. and 2 in.

Bull's-eyes, Fanlights, Casements, &c.



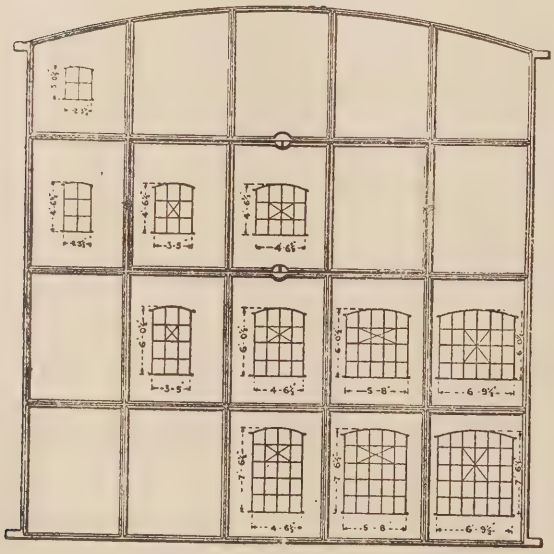




HAYWARD'S PATENT PUTTY GROOVE SASHES have been supplied to—

London County Council	BARKING.
H. M. Ordnance Survey Office	DUBLIN.
H. M. Irish Lights Office	DUBLIN.
Metropolitan Electricity Supply Co., Ltd.	LONDON.
Corporation Electricity Works	MANCHESTER.
Corporation Tramways Dept.	SHEFFIELD.
London United Tramways Co.	TEDDINGTON, &c.
North British Railway Co.	GLASGOW.
London & South Western Railway Co.	SOUTHAMPTON.
Great Northern Railway Co.	MANCHESTER.
S. E. and Chatham Railway Co.	BLACKFRIARS, &c
Southwark & Vauxhall Water Co.	HAMPTON, &c.
East Surrey Water Works	PURLEY.
Aldershot Gas and Water Co.	ALDERSHOT.
Vickers, Son & Maxim	ERITH.
Mann, Crossman & Paulin, Albion Brewery	LONDON.
Serpell's Biscuit Factory	READING.
Singer's New Factory	GLASGOW.

HAYWARD'S STANDARD CAST IRON SASHES.



MADE TO SUIT BRICK DIMENSIONS TO AVOID CUTTING BRICKS.

STOCK SIZES.

"A" PATTERN. (As Illustration.) Panes 13½ × 18 in. Centres.			"B" PATTERN. Panes 9 × 12 in. Centres.		
Number of Panes.	Over all Sizes. Width.	Over all Sizes. Height.	Number of Panes.	Over all Sizes. Width.	Over all Sizes. Height.
	Ft. Ins.	Ft. Ins.		Ft. Ins.	Ft. Ins.
2 × 2	2 3½	3 0½	3 × 4	2 3½	4 0½
			4 × 4	3 0½	4 0½
2 × 3	2 3½	4 6½	5 × 4	3 9½	4 0½
3 × 3	3 5	4 6½			
4 × 3	4 6½	4 6½	4 × 5	3 0½	5 0½
			5 × 5	3 9½	5 0½
3 × 4	3 5	6 0½	6 × 5	4 6½	5 0½
4 × 4	4 6½	6 0½			
5 × 4	5 8	6 0½	5 × 6	3 9½	6 0½
6 × 4	6 9½	6 0½	6 × 6	4 6½	6 0½
			7 × 6	5 3½	6 0½
			8 × 6	6 0½	6 0½
4 × 5	4 6½	7 6½	6 × 7	4 6½	7 0½
5 × 5	5 8	7 6½	7 × 7	5 3½	7 0½
6 × 5	6 9½	7 6½	8 × 7	6 0½	7 0½

Write for Section X Catalogue (100 pages) to—

HAYWARD BROTHERS & ECKSTEIN, LTD.,

187-201 UNION STREET, BOROUGH, LONDON, S.E.

MANCHESTER: 3 SIMPSON STREET.
GLASGOW: 141 WEST REGENT STREET.

Telegrams: "Hayward Brothers, London."
Telephone: 193 Hop.

NEW CATALOGUE POST FREE ON APPLICATION.

ROBERT ADAMS,

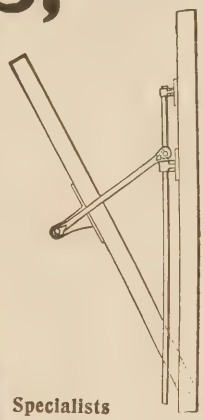
The Originator, Patentee, and Leading Manufacturer of

The Modern System of Ventilating Gearing.

Patent Panic Bolts.

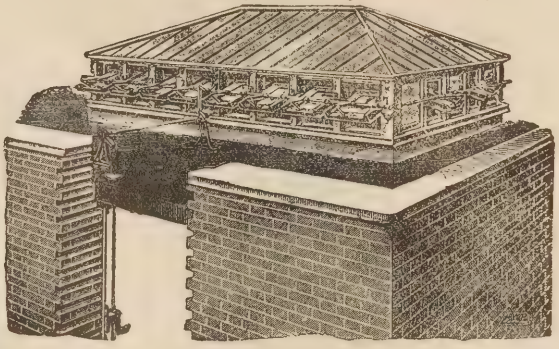
ENGINEER AND PATENTEE,
3 & 5 Emerald Street,
Theobald's Rd., London, W.C.

THE "LINK."

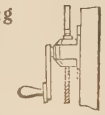


"ADAMS' SPECIAL CONTINUOUS GEARING."

This illustration shows the Gearing fixed outside, the Controlling Handle being within the Room.

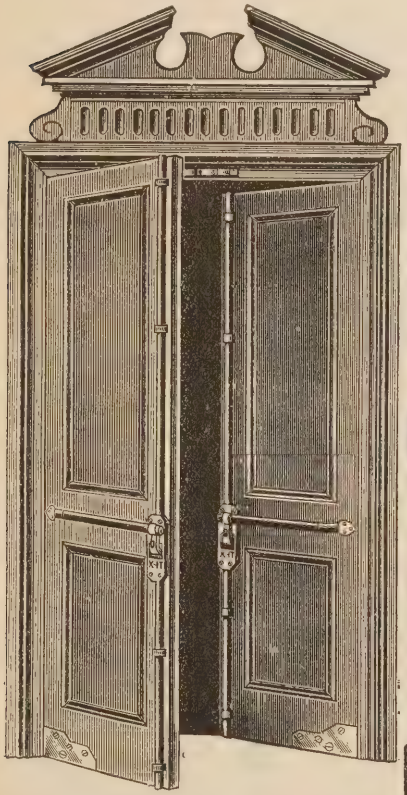


Specialists in Gearing for all kinds of Lights.



No. 114

See below for price.



As applied to a pair of Swing Doors.

PRICES.

"X-IT" Bolts for swing doors.

	Without Key.	With Key and Brass Reeded Furniture.
All Brass	40/-	and *47/6 each door.
Brass Mounts and Iron Rods...	35/- ,,	42/6 ,,
All Iron	27/6 ,,	35/- ,,

Dust Sockets, 2/- each extra.

As Applied to a pair of Folding Doors.

PRICES.

	Without Key.	With Key and Brass Reeded Furniture.
All Brass	55/-	and *62/6 per set, for 2 doors.
Brass Mounts and Iron Rods	47/6 ,,	65/- ,,
All Iron	35/- ,,	42/6 ,,

Perfection in SPRING HINGES.

The **"VICTOR"** Double Action Spring Hinges open wider than any other—viz., **135° each way**, *i.e.*, **45° beyond right angles**—and close with a perfect check action.

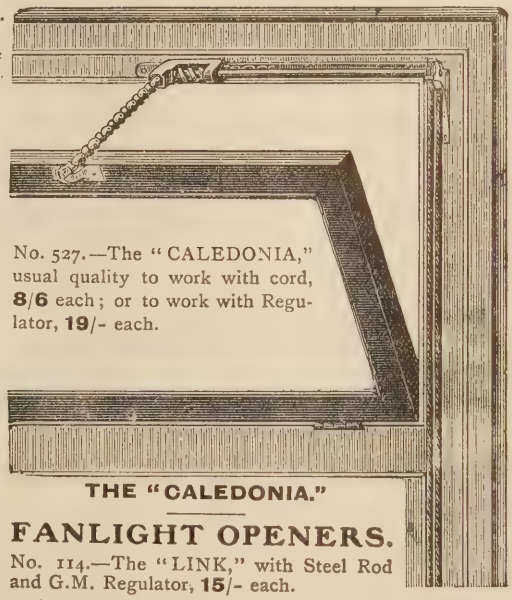
The **"VICTOR"** Single Action Spring Hinges open wider than any other—opening to and closing from the angle of **180°**, *i.e.*, **the half circle**, with a perfect check action.

Used in Government and best buildings everywhere.

Special Three Throw Bolt. No. 8.

No. 11. Gate Bolt.

No. 190. Tongue Bolt.



No. 527.—The "CALEDONIA," usual quality to work with cord, **8/6** each; or to work with Regulator, **19/-** each.

THE "CALEDONIA."

FANLIGHT OPENERS.

No. 114.—The "LINK," with Steel Rod and G.M. Regulator, **15/-** each.

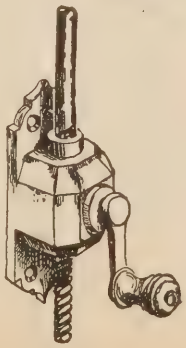
CASEMENT BOLTS.

Special Three Throw, **39/-**
All Brass Polished, No. 7 and 8.

No. 190.—Patent Tongue Bolt, **4/-** per foot.

GATE BOLTS.

No. 11.—Special Pattern, **55/-** each.



See also page 168 for

DOOR SPRINGS.

JAMES CARTLAND & SON, LTD.,

Manufacturers of every description of

CABINET, BUILDERS', FURNISHING AND NAVAL BRASS FOUNDRY,

BIRMINGHAM.

THE "CONVERTIBLE" FANLIGHT OPENER.

(CARTLAND'S PATENT.)

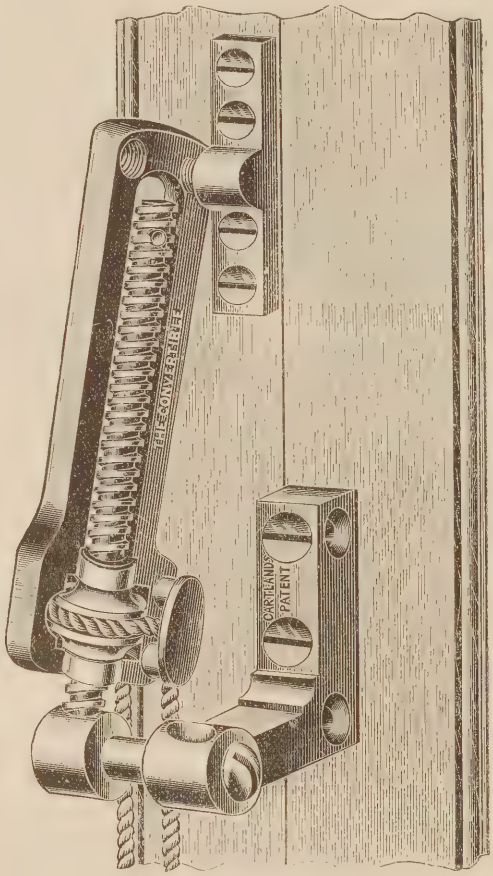
This Opener is self-adapting to all Hinged and Pivoted Fanlights.

The Fixing Plates are

ONLY ½ INCH WIDE,

and will suit any and every section of framework.

They are readily fitted to iron-framed lights.



SCALE—TWO-THIRDS SIZE.

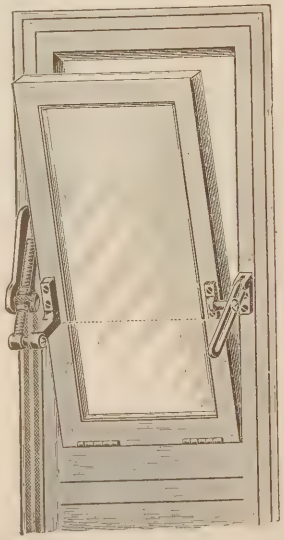
Side Adjustments for Fanlights.
Hinged at bottom, opening in.

LIST OF PRICES.

1796 Iron	4/-	each.
1795 Brass	5/6	,,
1797 Gunmetal	6/6	,,

SIMPLE.
EFFECTIVE.
COMPACT.

Hinged at bottom, opening in, for flush windows, or up to 1 inch in reveal.



ONE-THIRD SIZE.

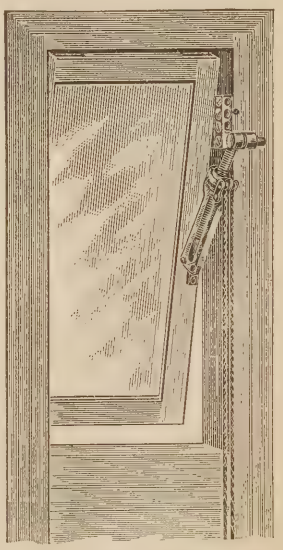
1796½ Iron. 1/- each.

1795½ Brass. 1/3 each.

1797½ Gunmetal. 1/6 each.

Recommended to be used on heavy Fanlights, or wider than 30 inches. The plates should be fixed on line as indicated by dotted line.

Hinged at top, opening out.



London Show Rooms: 57, HOLBORN VIADUCT, E.C.

JAMES CARTLAND & SON, LTD.,

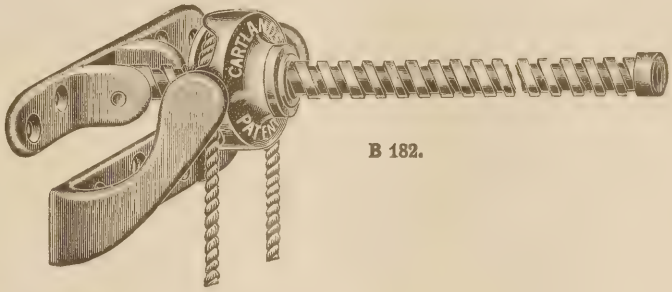
BIRMINGHAM, LONDON, AND SYDNEY.

TRADE MARK

IMPROVED PRESTON'S SCREW ADJUSTMENT.

(CARTLAND'S PATENT.)

Hinged at top, opening out, or for Pivot Sashes, same prices.



B 182.

For Skylights, B 184.

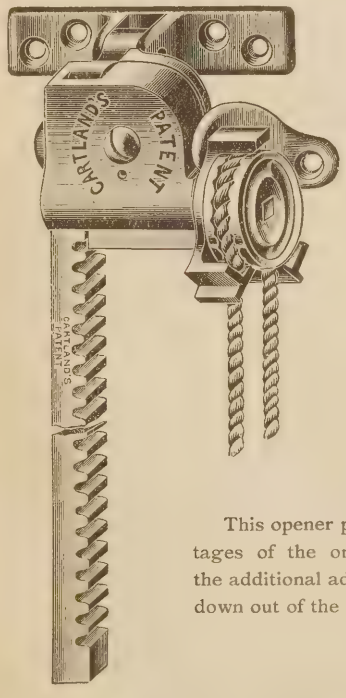
B 182. Hinged at bottom, opening in.

	Iron fitting, Brass wheel.	All Brass.	Gunmetal.
⅜ in. screw × 12 in. long	1/6	2/6	3/3 each.
½ in. ,, × 18 in. ,,	2/9	4/6	5/6 ,,

THE "TRIAD" IMPROVED.

WITH FOLD DOWN BAR.

(CARTLAND'S PATENT.)



1469. Iron.

	each.
12 in.	2/9
16 in.	3/6
20 in.	7/6
24 in.	9/6
30 in.	12/-

1468. Brass.

1470. Gunmetal.

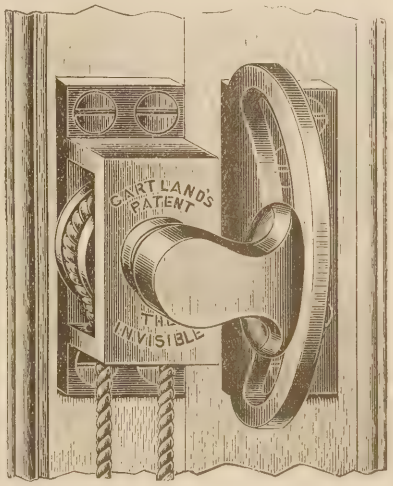
This opener possesses all the advantages of the ordinary "Triad," with the additional advantage of bar folding down out of the way of blinds, &c.

THE "INVISIBLE" FANLIGHT OPENER

(CARTLAND'S PATENT.)

All the fixing required is a hole bored in door stile large enough for the screw to work freely.

Hinged at bottom, opening in.



	½ in.	⅝ in. screw.
Iron **1752**	3/6	6/- each.
Brass **1751**	5/-	7/6 ,,

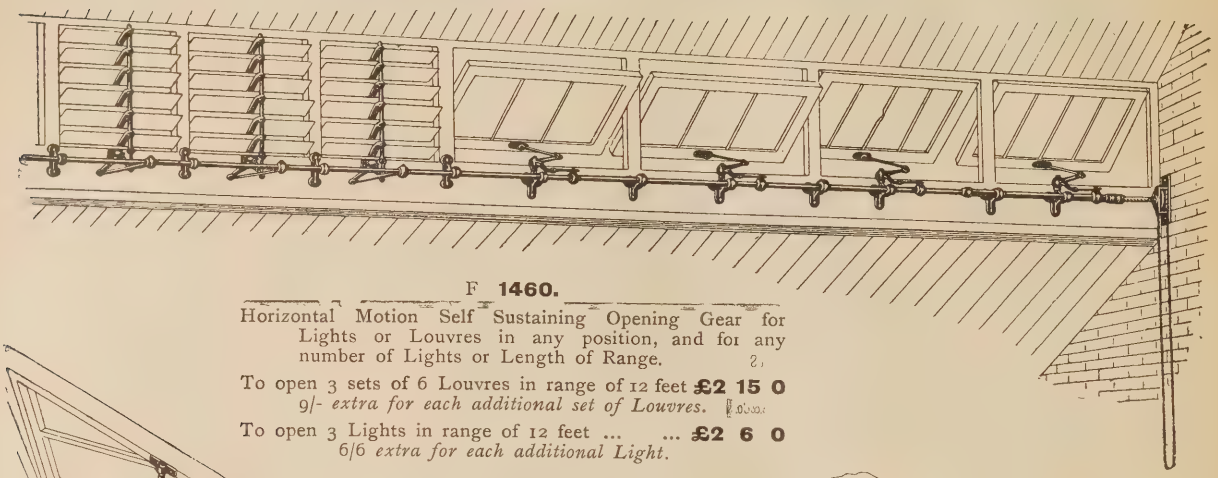
Hinged at top, opening out, or for Pivot Sashes, same prices.

COMPLETE ILLUSTRATED SHEETS AND LIST OF PRICES OF THESE AND OTHER FANLIGHT OPENERS WILL BE SENT ON APPLICATION.

GARDINER, SONS, & Co., Ltd.,

Telephone: 867. NELSON STREET & MIDLAND IRON WORKS, BRISTOL. Telegraphic Address: "Gardsons, Bristol."

OPENING GEAR.

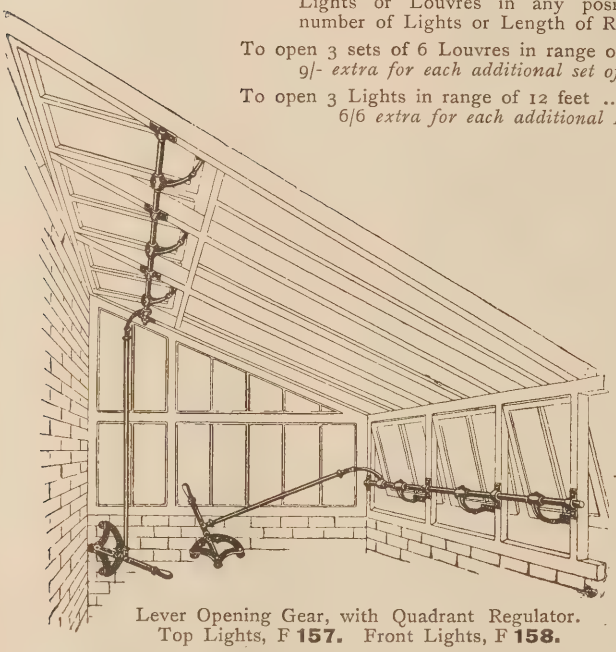


F 1460.

Horizontal Motion Self Sustaining Opening Gear for Lights or Louvres in any position, and for any number of Lights or Length of Range.

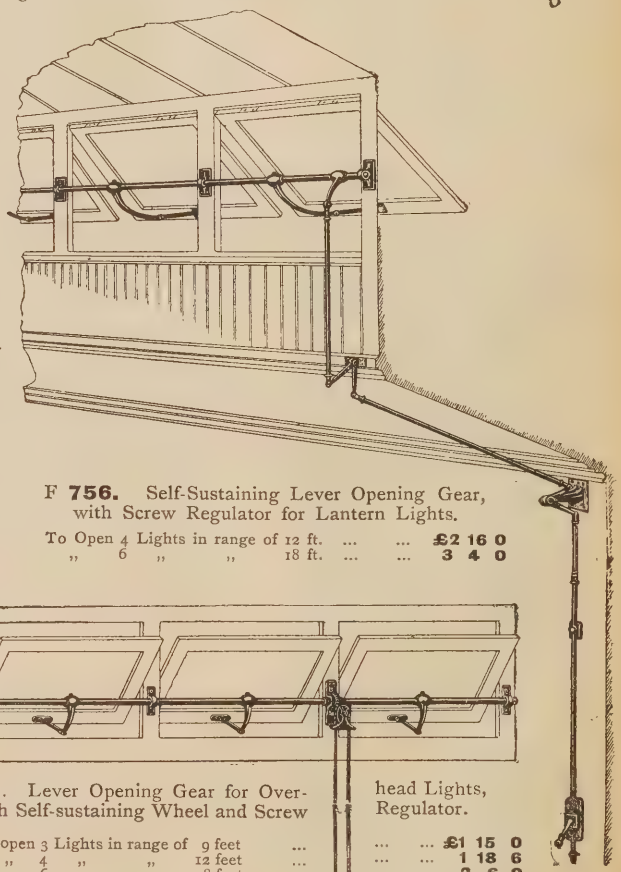
To open 3 sets of 6 Louvres in range of 12 feet **£2 15 0**
9/- *extra for each additional set of Louvres.*

To open 3 Lights in range of 12 feet **£2 6 0**
6/6 *extra for each additional Light.*



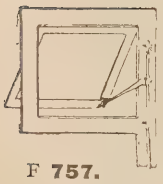
Lever Opening Gear, with Quadrant Regulator.
Top Lights, F **157.** Front Lights, F **158.**

To open 3 Lights in range of 12 ft.	... ...	**£1 7 0**
,, 4 ,, ,, 16 ft.	... ...	**1 11 6**
, 20 ft.	... ...	**1 16 0**

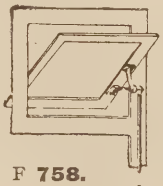


F **756.** Self-Sustaining Lever Opening Gear, with Screw Regulator for Lantern Lights.

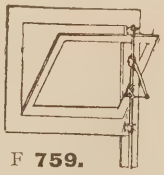
To Open 4 Lights in range of 12 ft.	... ...	**£2 16 0**
,, 6 ,, ,, 18 ft.	... ...	**3 4 0**



F 757.
For Lights not exceeding 9 feet super, Iron with polished Brass box and handle
13/-



F 758.
For Swing Lights, All Iron,
5/- per set.



F 759.
For Lights not exceeding 9 feet super, Iron with polished Brass box and handle,
13/-

F **161.** Lever Opening Gear for Overhead Lights, with Self-sustaining Wheel and Screw Regulator.

To open 3 Lights in range of 9 feet	...	**£1 15 0**
,, 4 ,, ,, 12 feet	...	**1 18 6**
,, 6 ,, ,, 18 feet	...	**2 6 0**

Above Prices are with Rods not exceeding 6 feet long.

Discounts and Quotations for Special Gear to open any number of Lights simultaneously sent on receipt of requirements.

For Doors and Sashes, see Sections F & L. **Complete Catalogue sent on application.**

See also Summary of Contents, page 1.

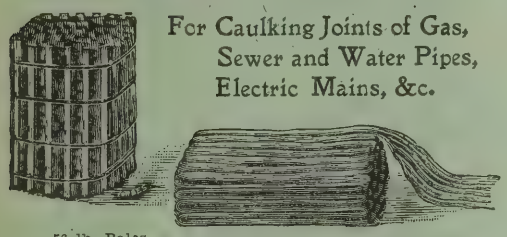
Section M.

Drainage Pipes, &c.
Sanitary and Sewer Castings.
Sanitary Manufactures.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Anglo-American Rope & Oakum Co.	203
Broad & Co., Ld.	206, 207
Couzens, G., & Sons	204
Crapper, T., & Co., Ld.	211
Dawson & Co., Ld.	205
Donkin, J.	203
Edwards, J. C.	210
Hall, M., & Co.	213
North British Plumbing Co., Ld.	208, 209
St. Pancras Ironwork Co., Ld.	212
Warner, John, & Sons	214

PLUMBERS' OAKUM.



For Caulking Joints of Gas, Sewer and Water Pipes, Electric Mains, &c.

56 lb. Bales

ANGLO-AMERICAN ROPE & OAKUM COMPANY.

Offices and Stores—
19, CANNING PLACE (opposite Custom House), LIVERPOOL
Works—HOPWOOD STREET, N.
☞ PRICE LISTS ON APPLICATION.

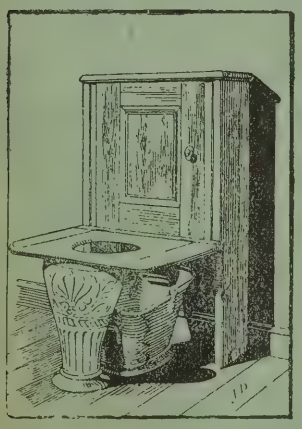
WRITE FOR BLOCK CATALOGUE.

LOOSE HOOK.

TRENCH PUMP OUTFITS.

With 15 and 20 ft. of 3 in. Suction Hose Complete.

SPECIAL FREE OFFER
To Town and District Councils. Write for it.



Donkin's Separating Dry Closet

(Patent) *Sanctioned by Local Government Board*

DONKIN'S DRY CLOSET maintains the natural separation of liquids from solids by a pedestal in front and dry receptacle behind.

ADVANTAGES.—Contents of bucket always dry.
Ensuring great facility in removal.
Economy in the earth supply.
All offensive smell obviated.
Full manurial values.
Economical, sanitary, and simple to install.

Single Containers to suit special requirements.

Certificate of the "Institute of Hygiene," Devonshire Street, Harley Street, where sample and particulars can be seen.

Price from 42/- upwards.

Catalogue and further Particulars free on application to

J. DONKIN, 4 Albert Road, Bournemouth;
and 73 HIGH STREET, CLAPHAM, LONDON.

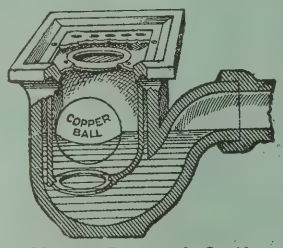
COUZENS' ANTI-FLOODING TRAPS

AWARDED MEDAL OF THE SANITARY INSTITUTE.

Guaranteed to be the . . most perfect . . Anti-Flooding Trap . . on the market . .

Architects can with . . . confidence . . . Specify these Traps.

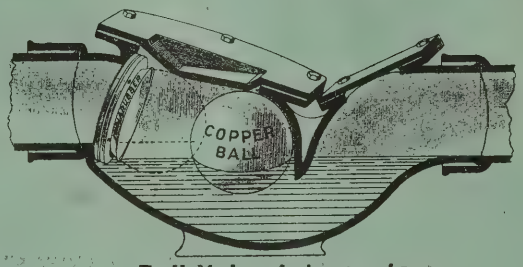
THOUSANDS OF OUR TRAPS ARE NOW IN USE THROUGHOUT THE COUNTRY.



No. 1. Patent Gully.

PRICES: Earthenware, 4in. and 6in. Outlet, 30/-
Iron 4in. and 6in. ,, 45/-

SPECIAL QUOTATIONS FOR LARGER SIZES.



Ball Valve Interceptor.

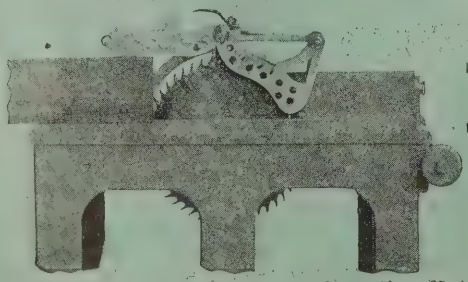
PRICES: Earthenware, 4in., £2; 6in., £3; 9in., £4 10
Iron, 4in., £3; 6in., £4 10; 9in., £7; 12in., £15

Supplied to H.M. Office of Works, Lords of the Admiralty, London School Board, all Leading Corporations, and numerous Estates and Companies.

REPEAT ORDERS TESTIFY TO THEIR EFFICIENCY. EASY ACCESS TO THE DRAINS.

Couzens' Patent Automatic Saw Guard.

Repeat Orders from His Majesty's Government.



Does not require to be adjusted for different thicknesses of timber, as is the case with other Guards.

PRICES: For Saws up to 12in., £2; 18in., £2 10; 24in., £3; 30in., £3 10; 36in., £4; 42in., £4 10; 48in., £5.

SPECIAL QUOTATIONS FOR LARGER SIZES.

Couzens' Patent Casement Hinge

FOR CASEMENTS OPENING OUTWARDS.

This Hinge allows of the Outside of Casement being cleaned from the inside of room, thereby saving expense and inconvenience of Ladders.

PRICES PER PAIR.		Bronze.	Brass.	Iron
Light pattern, for casements up to 4ft. 6in.	high	5/-	4/-	2/-
Heavy ,, ,, ,, over 4ft. 6in.	,,	6/-	5/-	2/6

FOR FURTHER PARTICULARS AS TO ANY OF THE ABOVE, APPLY:—

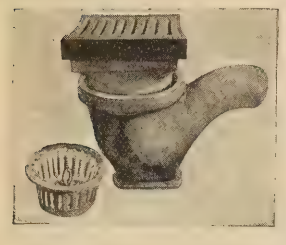
GEO. COUZENS & SONS, City Road Works, OXFORD LANE, CARDIFF.

Telegrams: "INTERCEPTOR, CARDIFF."
Telephone: National, No. 461.

DAWSON & Co. Ltd.

(CLEMENT B. BROAD, Governing Director.)

Elevations. Sections.



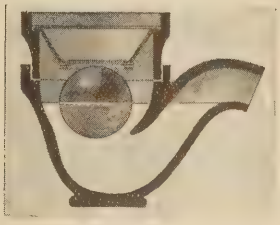
ARCHITECTS SHOULD SPECIFY

DAWSON & Co.'s STABLE GULLY,

with Reversible Outlet, made in our Highly-Glazed Ephos Ware.

Price Complete, with Heavy Frame and Grating, as shewn **17/6**

Price Complete, with Light Galvanised Grid .. **12/6**

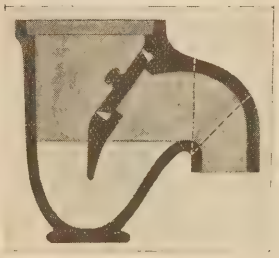


DAWSON & Co.'s ANTI-BACK FLOW AND TIDAL GULLY,

with Reversible Base.

Made in our Highly-Glazed Ephos Ware. For use in low-lying districts where troubled with Back Flow of Storm Water.

Price Complete, with Galvanized Grid **35/-**



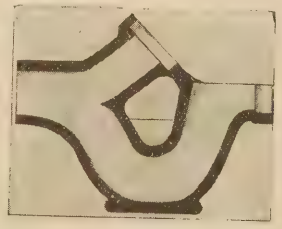
DAWSON & Co.'s INSPECTION GULLY

Made in our Highly-Glazed Ephos Ware.

8 in. GRID. 4 in. OUTLET. P, S, or Q.

Price Complete, with Galvanized Grid, and fitted with Stanford Jointed Stopper **10/-**

Price with Grid and Galvanized Sealing Plate .. **12/6**



DAWSON & Co.'s GLASARM INTERCEPTOR,

Made in our Highly-Glazed Ephos Ware.

THIS INTERCEPTOR has a small square of glass cemented in instead of the ordinary stopper, it having been found that sometimes trouble has arisen through the cap sticking. In case of the chamber being choked, it can instantly be released by breaking the glass from the top of the manhole. The glass can be replaced for one penny.

PRICES { 4 in. **7/-** 6 in. **10/-** 9 in. **20/-**
4 in. × 6 in. **10/-** 6 in. × 9 in. **20/-**

Sanitary Specialists, Bricks, Lime, Cement, and York Stone Merchants,

Mendip Wharf, Battersea, London, S.W., and Falcon Road, Clapham Junction, London, S.W.

Telephones—
Head Office: No. 48, Paddington (2 Lines).
Blackfriars: No. 221 Hop.
Finchley Road: No. 715 Paddington.

Telegraphic Address—
"BROAD & CO., LONDON."

BROAD & CO., LTD.,

Directors: -
GEORGE HARRIS. ARTHUR G. HARRIS
PERCY M. HARRIS.

Medals and Certificates Awarded by International Health Exhibition, Society of Architects, Royal Sanitary Institute of Great Britain.

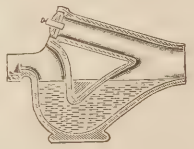
Original Patentees of WHITE ENAMELLED CHANNELS, GULLIES,

And many other Important Sanitary Appliances now in general use.

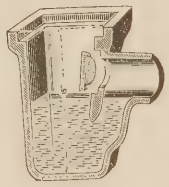
BROAD & CO.'S stock of Sanitary Goods is one of the largest and most varied in London. Country orders executed with promptness and despatch.

CHIMNEY POTS, CAPS, &c., CLOSETS, DAMP-PROOF COURSES, FINIALS, FLOORING AND PAVING, PLASTER, &c.

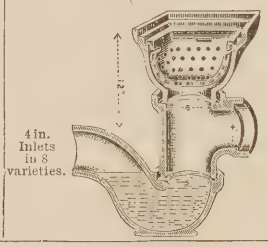
FIG. 37B.
WITH BRIDLE TO STOPPER.



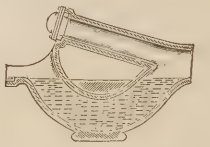
THE GULLIVER.



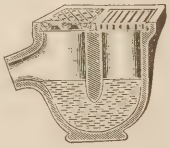
THE AUGEAN.



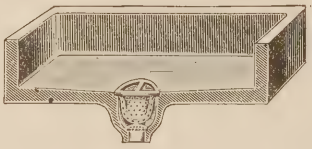
No. 40B.
WITH GLASS DOME.



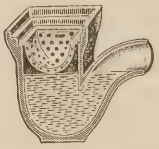
ACCESSIBLE GULLY.



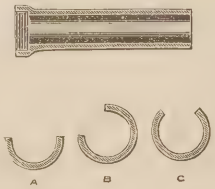
PATENT SCULLERY SINK.



THE DUPLEX.



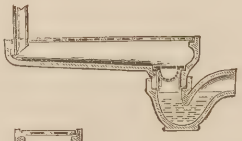
CHANNEL SECTIONS.



CHANNEL SHOE AND REVERSIBLE GULLY.

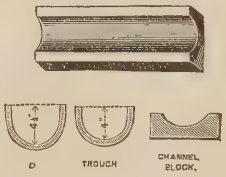
Rabbetted for Gratings.

CHANNEL TROUGH.



Channel Trough.

CHANNEL BLOCK.



BROAD & CO., LTD.,

4 SOUTH WHARF, PADDINGTON, W.;
OLD JAMAICA WHARF, UPPER GROUND STREET, BLACKFRIARS.

Telephones—
Head Office: No. 48, Paddington (2 Lines).
Blackfriars: No. 221 Hop.
Finchley Road: No. 715 Paddington.

Telegraphic Address—
"BROAD & CO., LONDON."

BROAD & CO., LTD.,

Directors:—
GEORGE HARRIS. ARTHUR G. HARRIS.
PERCY M. HARRIS.

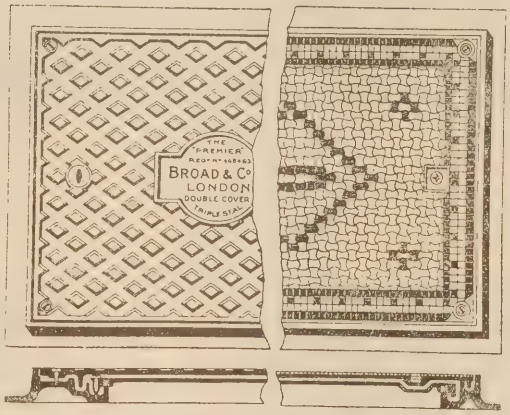
BRICKMAKERS, SANITARY SPECIALISTS,

LIME, CEMENT, SLATE AND TILE MERCHANTS.

IRON DRAINAGE DEPARTMENT.

A large selection of Best Heavy Cast Iron, Coated Drain, Soil, and Rain Water Pipes, Gutters and Connections, &c., kept in Stock.

The "Premier" Series of Manhole Covers are extra strong, carefully finished Covers, which have been specially designed by :: BROAD & CO. for use in important Public and :: Private Buildings, where an absolutely secure :: Cover, unaffected by :: climatic conditions, is essential.



THE "PREMIER" MANHOLE COVER.

Double Seal Covers, as illustrated, are intended chiefly for Exterior use, Triple Seal Covers being specially suitable for Interior use.

No. 20
COMBINED KEY LIFTER AND CLEANER.

A Large Variety of Manhole Covers for all classes of work kept in stock

Registered Office and Depôt:
4, SOUTH WHARF, PADDINGTON, W.

Brick and Gravel Depôt:
2, SOUTH WHARF, PADDINGTON, W.

Thames Wharf:
OLD JAMAICA WHARF, UPPER GROUND ST., BLACKFRIARS, S.E.

Railway Depôts:
FINCHLEY ROAD, N.W., LONDON & NORTH WESTERN RAILWAY.
HAYES, MIDDLESEX, GREAT WESTERN RAILWAY.

Cowley Brickfields, Gravel Pits, and Depôt:
WEST DRAYTON, MIDDLESEX.

Illustrated General Catalogue, 1906 Edition large or small size, and Supplementary Catalogue, 1907, may be had on application.

North British Plumbing Co.
Limited.

CONTRACTORS TO H.M. OFFICE OF WORKS.

Telegraphic Address: "Ductility, London."

ESTABLISHED 1881.

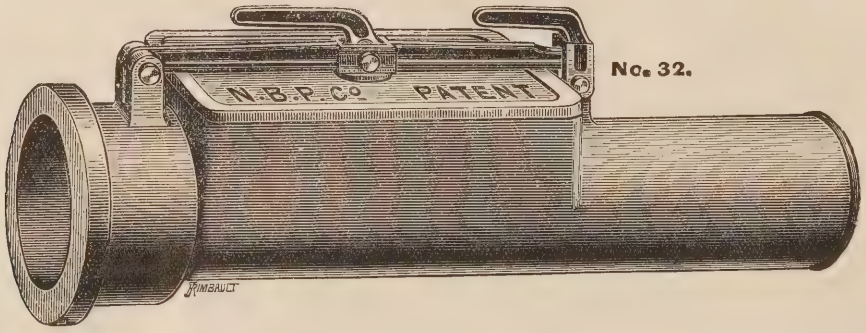
Telephone No.: 5645 Westminster.

TRADE MARK.

Highest Class Sanitation.

Drainage, Plumbing, Heating, & Ventilation.

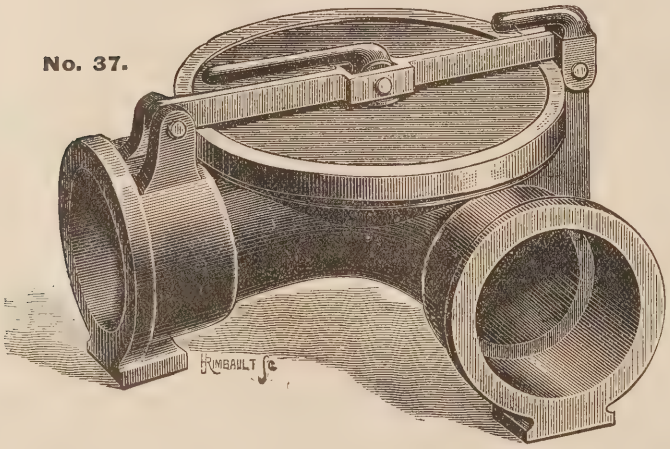
Patent Cast Iron Inspection Chambers.



No. 32.

Branch Inlets can be attached according to Drawings. This form of Chamber is suited to every description of Drainage.

No. 37.



Complete Cast Iron Drainage Installations, lettered, numbered, and delivered complete, ready for fixing, on receipt of drain plans.

Inspection Chambers specially cast to fit all branch drains.

This Company were the originators of Cast Iron Domestic Drainage, and have had a longer experience in applying it than any other firm in existence.

Please write for our latest ILLUSTRATED CATALOGUE, which contains many new and important Improvements.

15 Carteret St. (Queen Anne's Gate), Westminster, London, S.W.

The "Star" Lead Astrigal Band and Tack.

For Lead, Soil, Waste, and Ventilating Pipes.

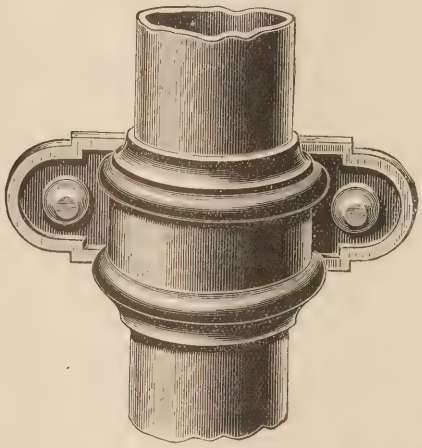
Looks Well and Pleases the Client.

MAKES A FIRST-CLASS JOB.

Takes 50 per cent. less time to fix than the next best on the Market.
Takes the minimum of Solder and gives the maximum of Strength

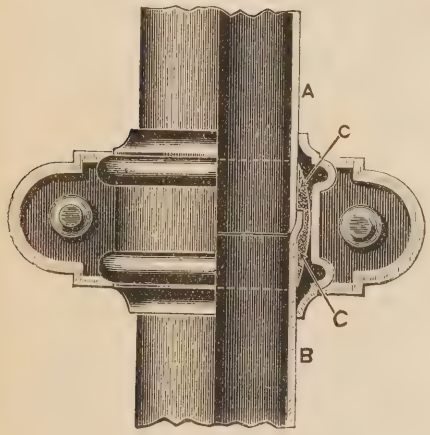
Reg. No. 491564.

View of Front.



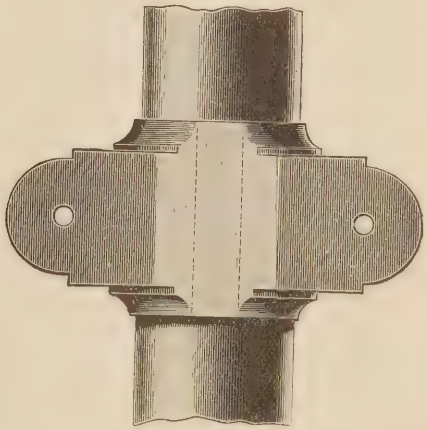
TRADE MARK.

View showing Wiped Joint.



A and B Lead Pipes.
C ,, C Plumbers' Wiped Joint.

View of Back showing Metal Wipings.



PRICE

Including two Lead Headed Nails to each Tack.

For 2 in. lead pipe				2/- each
,,	2½	,,	,,	2/3 ,,
,,	3	,,	,,	2/6 ,,
,,	3½	,,	,,	2/9 ,,
,,	4	,,	,,	3/- ,,

Special Quotations given for Quantities of not less than One Dozen.

The North British Plumbing Co., Ltd.,

15, Carteret Street,

(QUEEN ANNE'S GATE)

Telephone : No. 5645 Westminster.
Telegrams, "DUCTILITY, LONDON."

Westminster, S.W.

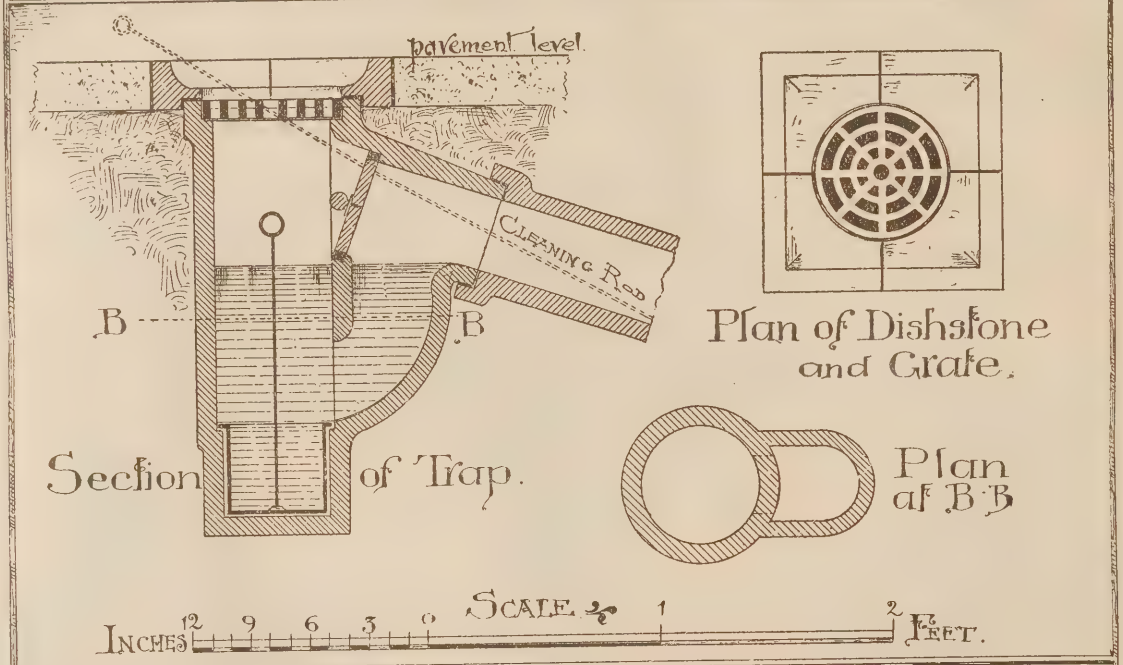
TERRA-COTTA WORKS

J. C. EDWARDS

RUABON NORTH WALES.

SOLE MAKER OF

BROWN'S PATENT STENCH, SILTH AND GREASE TRAPS



IN GLAZED SANITARY WARE

THESE CULLIES are an improvement on my "DEAN'S" patent Traps which have had such a very large sale, the additional advantage being that there is an access to the drain and this being made oval instead of circular admits a cleaning rod with greater ease. THE IRONWORK is galvanized and the opening to access hole is fitted with Stanford's patent joint which makes it air and gas tight.

SIZES	6"	8"	9"	12"	15"	18"
PRICES	7/6	10/-	10/6	25/-	32/6	40/-

If with inlet pipe 1/6 each extra

each on rail at works

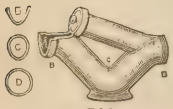
TERMS AND DISCOUNTS ON APPLICATION

THOMAS CRAPPER & CO., LTD.

SANITARY ENGINEERS,

By Royal Warrant of Appointment to His Majesty the King & H. R. H. the Prince of Wales.

The "Improved Kenon" Disconnecting Traps.



No. 506.

	4 in.	4 to 6 ins.	5 in.	6 in.	9 in.
Brown Glazed	9/6	11/-	11/-	11/9	22/6
White Glazed	15/3	17/6	17/6	18/3	37/6
White Glazed Channels for do.					
2 ft.	2/6	3/9	3/3	3/6	5/9
2 ft. 6 in.	3/-	4/3	3/9	4/-	7/-

Deep Seal Air-Tight Frames and Covers.

No. 496.

No. 496.

Outside. Inches.	*Opening.* Inches.	*Painted.* £ s. d.	*Galvanized.* £ s. d.
36 × 30	30 × 24	1 11 6	2 13 6
36 × 24	30½ × 18½	1 3 3	2 3 6
26 × 26	21 × 21	1 1 3	1 17 9
30 × 24	24 × 18	0 18 9	1 13 9
25½ × 21½	20 × 16	0 16 0	1 8 6
24 × 17	19 × 12	0 12 9	1 2 9
20 × 20	15 × 15	0 12 0	1 1 6
32½ × 11½	26½ × 6	0 12 3	1 1 9
26½ × 11½	21 × 6	0 10 3	0 18 0

Flushing-Rim Grease Traps.

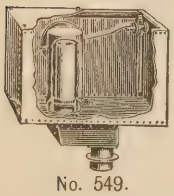
Nos. 556 and 557.

No. 556, with 3 in. Back Inlet, two 2in. Side Inlets, and Galvanized Grating 19/6

No. 557, with three 4in. Inlets, and 10 in. Galvanized Grating .. 25/-

Outlet of Traps, 4 inches.

Improved Automatic Flush Tanks for Drains.

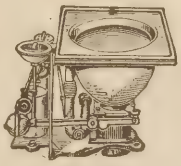


No. 549.

Gals.	£ s. d.	Gals.	£ s. d.
10	2 11 0	40	3 17 9
15	2 15 3	50	4 8 6
20	2 19 6	60	4 19 3
25	3 3 6	75	5 14 6
30	3 9 6	100	6 8 6

Valve Closets.

With Basin and Slop Top in one piece and Ventilating Union off Overflow Trap.



No. 560.

Valve Closet, with White Ware Flushing-rim Basin with fixed Slop Top, China Dish, 1in. Supply Valve, Copper Air Regulator, Ventilating Union off Trap, complete as shown £4 12 0

If with 1¼ in. Valve .. Extra 3/6

,, Box Enamelled inside, or of Lead .. Extra 4/9

,, Box fitted with Brass Top .. .. Extra 7/3

Pedestal Wash-Down Closets.

"The Improved Marlboro'," with Lead Trap.

No. 1066.

No. 1066. White or Ivory W.C. with fixed Slop Top and 6 lb. Lead P. Trap as shown.. .. 47/6

No. 568. Ditto Without Top .. 32/6

EXTRAS.

Basin with Raised Ornamentation .. 2/-

Basin Printed outside 4/-

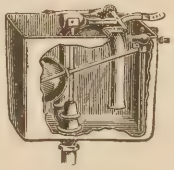
S. Trap in lieu of P. Trap 1/6

8 lb. Trap in lieu of 6 lb. 1/6

Trap with Brass Collar 1/6

Trap with China Lining 6/6

Syphon Water - Waste Preventers.



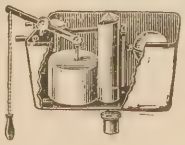
No. 219.

Cast Iron 2-Gallon with tranquil Inlet Valve, 1¼in. Lead Syphon, and China Pull .. £0 17 6

Ditto, 3-Gallon, with 1½in. Syphon 1 0 6

If Galvanized .. ..Extra 0 5 6

Patent Valveless Water-Waste Preventers.



No. 814.

	Painted.	Galvanized.
2-Gallon ..	19/6	25/3
3-Gallon ..	22/6	29/6
Cover ..	..Extra 1/9	3/0

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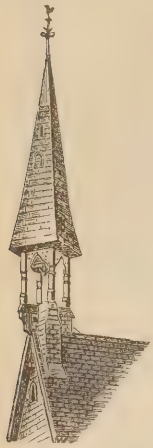

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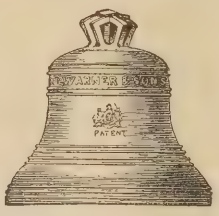

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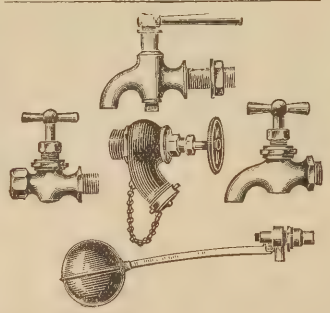

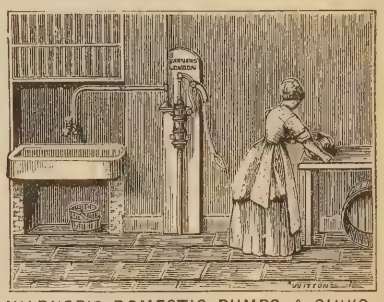

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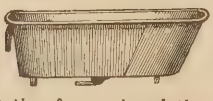

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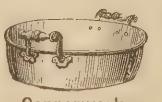
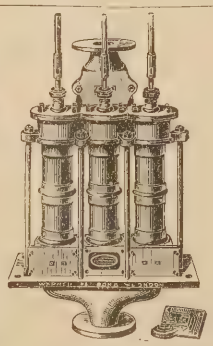
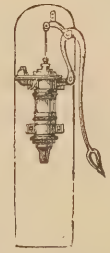
Braziery.



Copperwork.



Deep Well Pumps.



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CATALOGUE.

See also Summary of Contents, page 1.

Section N.

Church and Factory Bells.
Blinds, Service Lifts, Shutters, & Partitions.
Shop Fronts, Letters, Name Plates, &c.
Draught Excluders. Stair Treads, &c.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Applebee Bros.	217
Birmingham Blind Co.	218
Brady, G., & Co.	220
Carr, Charles, Ld.	215
Dean, J.	216
Francis, S. W., & Co., Ld.	220
Hall, John, & Sons	216
Hartley Bros.	225
Hodkinson & Co., Ld.	223
Holt, W. F. S.	224
Janes & Son	216
Kensington Window Blind Co.	219
Lucas, J. E., & Son	226
Lyte's Metallic Woven Stair-Tread Co., Ld.	230
Scott Bros.	230
Sheath Bros.	228, 229
Soper, John	220
Steer, Thornborough & Co.	224
Thornborough, F. M., & Son	227
Williams, G. A., & Son	221, 222

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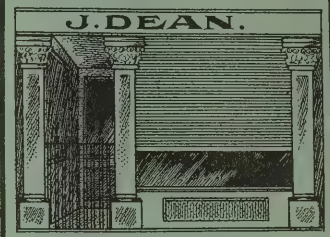

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WINDOW BLIND MANUFACTURERS,

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Tin Barrel Springs.

1½ in. diameter	1/1	per foot.
1¾ in. ,,	1/2	,,
2 in. ,,	1/4	,,
2¼ in. ,,	1/7	,,
2½ in. ,,	1/10	,,

Minimum 3 ft.

Venetians.

Cheap quality	4d.	per sq. ft.
Better ,,	5d.	,,

Roller Blinds.

On Wood Rollers	3d.	per sq. ft.
On T.B. Spring Rollers	4½d.	,,

Minimum 15 ft.

Sun Blinds.

Spring-box head (socket irons).	1/-	per sq. ft.
Florentine	1/5	,,
Spanish	1/9	,,

Minimum 16 ft.

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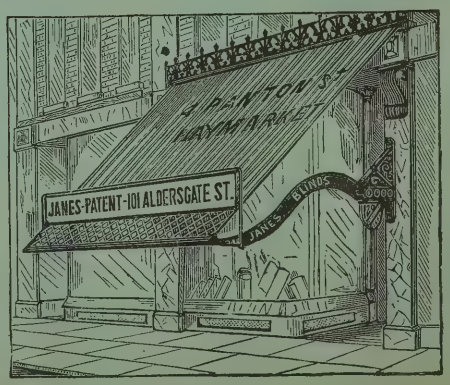
Heraldry and Writing. Japanese, Stained Glass, Cane, Fern, and Dwarf Blinds.



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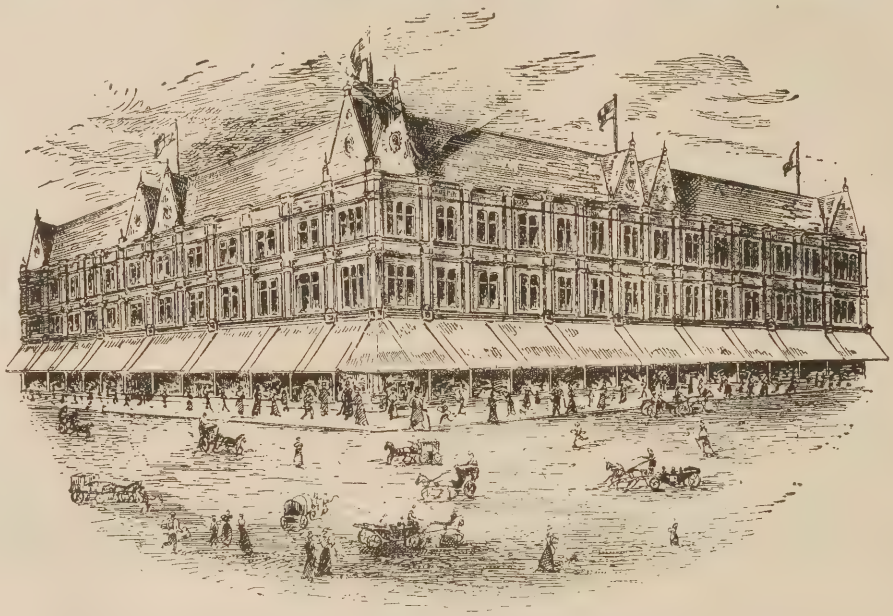

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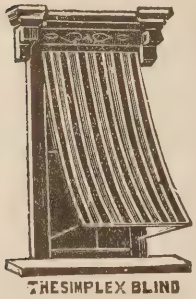

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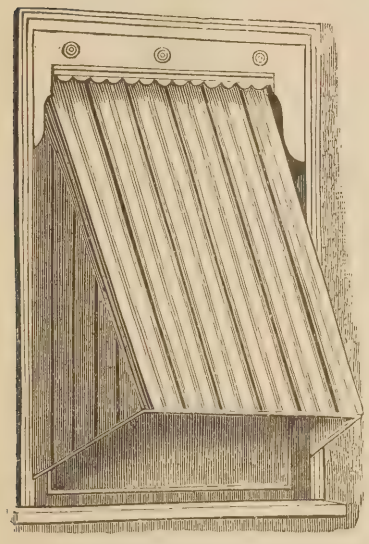
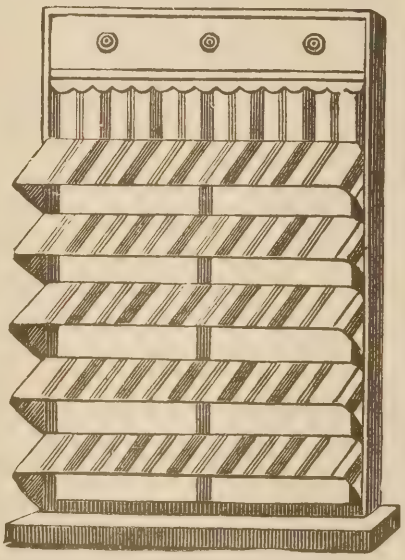


FLORENTINE.



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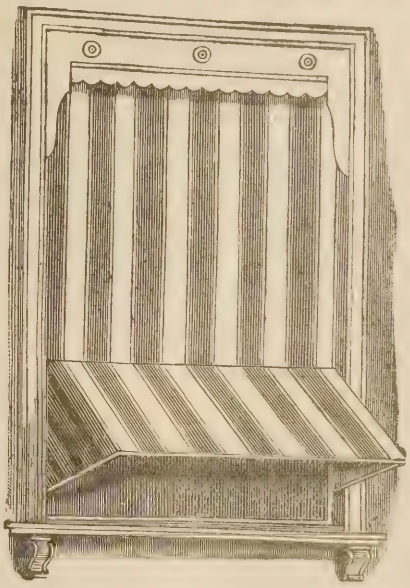

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	Per Foot Super.
Spring Box Head	1/-
Florentine	1/11
Spanish	2/4
Helioscene	2/6
Oriental (for Circular Headed Windows)	3/-
Outside Venetians	1/8
Jalousies, or Shutter Blinds (hinged)	4/-
" " " (sliding)	4/9

All Outside Blinds under 20 ft. super charged as 20 ft. super.

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	Per Foot Super.
Hollands	from 4½d.
Venetians	" 6d.
Festooned	" 1/-
Pinoleum or Tropical	" 11d.

All Blinds under 16 ft. super charged as 16 ft. super.

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SPECIAL DISCOUNTS TO THE TRADE.

Cornice Poles & Fittings of every description. Brise Bise Empire & Renaissance. Curtains in all the latest designs.

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OF EVERY DESCRIPTION for INSIDE AND OUTSIDE.

Roller Blinds in Striped or Printed Hollands, from **5d.** per square foot.
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Festoon Blinds, in Cotton, from **1s. 2d.**; in Silk, from **2s. 3d.** per sq. ft.

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Outside Blinds from **1s. 7d.** per sq. ft.
Italian do. from **1s. 6d.** per sq. ft.
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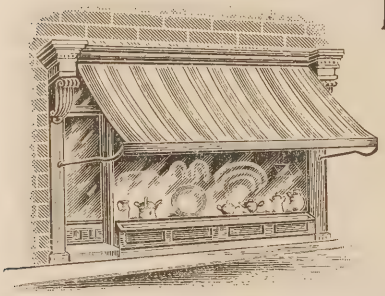

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INSIDE & OUTSIDE BLINDS
of every description for Hotels, Mansions, &c.

Portable and Revolving Guards of all kinds.
WAREHOUSE HOISTS. DINNER LIFTS.
See also page 160.
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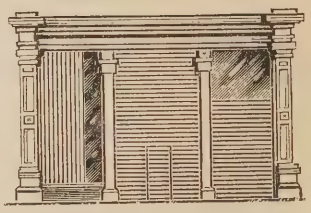

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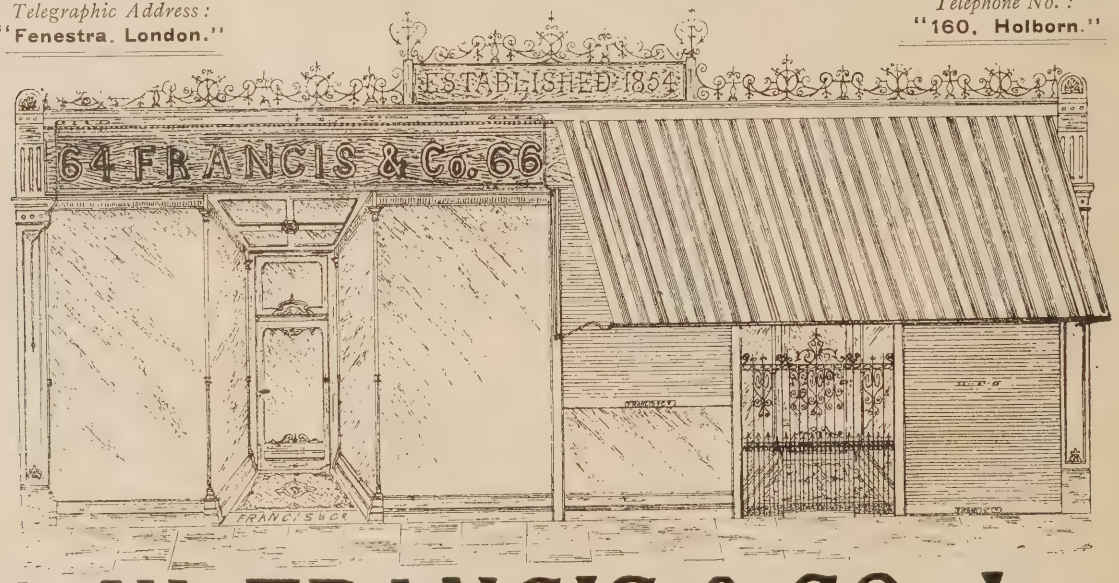
Telephone No.: "160, Holborn."



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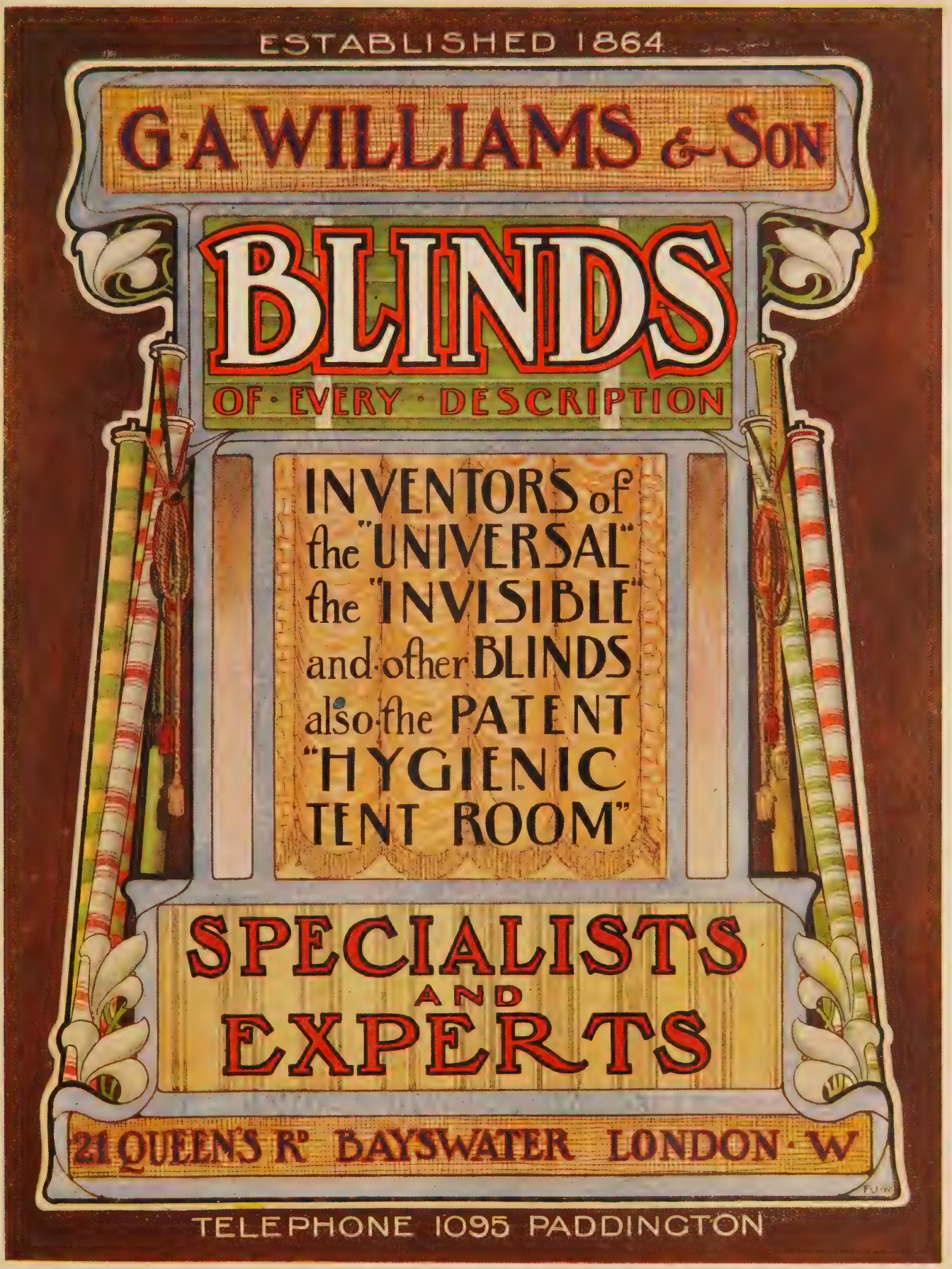
Wrought Iron Entrance Gates and Shop Window Guards made to any Design. Brass, German Silver, Copper and Gun Metal Shop Fronts made to Architects' own Designs. Wrought Iron Doors for the Prevention of the Spread of Fire.

☞ ESTIMATES, ILLUSTRATED CATALOGUES, WITH PRICE LIST, FREE ON APPLICATION.



RICHARD CLAY AND SONS, LTD., BREAD STREET HILL, E.C., AND BUNGAY, SUFFOLK

T.O.

ESTABLISHED 1864

G. A. Williams & Son

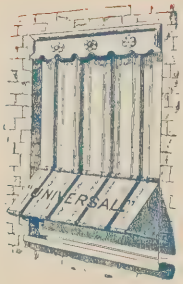
FESTOON BLINDS. In Satteens, Silks, Muslins, &c.

INSIDE BLINDS, in the newest patterns.

VENETIAN Outside or Inside.

Painted or stained & varnished.

THE UNIVERSAL

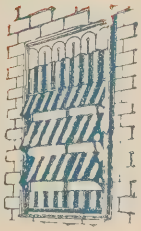


is the cheapest hooded blind extant.

THE FLORENTINE

for shade and ventilation.

THE HELIOSCENE



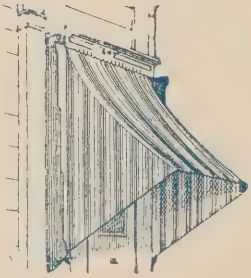
for shade, ventilation, and view.

THE JALOUSIE or Shutter Blind.

WE shall be glad to give our special attention and advice to any question relative to the screening of Windows, or other positions, so as to ensure the best results

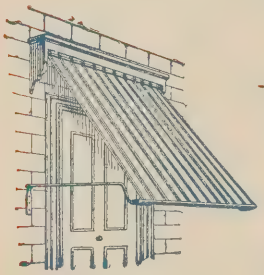
WIRE BLINDS ornamented with Heraldic Designs, Insignia, &c.

Queen's Road, Bayswater, London, W.



Extended Hood Blinds for Doors, Casements, &c.

A Representative will attend by appointment, in any part of the Kingdom, to advise and plan to suit requirements, for out-of-pocket expenses only



Blinds for Doors, Casements, Shops, &c.

The "ALFRED WILLIAMS" (PATENT)

"HYGITENT"

FOR

OPEN AIR TREATMENT.

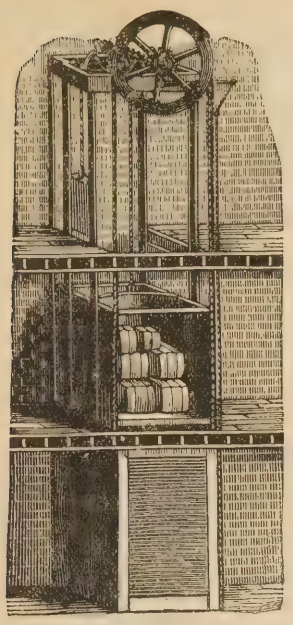
HYGIENIC TENT ROOM

You turn a handle and the roof folds.

Specialists & Experts in all Blinds.

Telephone: No. 1095 PADDINGTON.

P.T.O



HODKINSON & CO., LIMITED,

Late HODKINSON & CLARKE, HAWKES STREET, SMALL HEATH. CANADA WORKS, BIRMINGHAM.

SINGLE DINNER AND HAND POWER WAREHOUSE LIFTS.

No.	Well Holes.	Cage.	Total Height.	Weight Raised.	Price.
0	1′ 5″ × 1′ 3″	1′ 0″ × 1′ 0″	20ft.	14 lbs.	£8 10 0
1	2′ 0″ × 1′ 7″	1′ 6″ × 1′ 4″	20ft.	28 lbs.	12 0 0
2	2′ 4″ × 1′ 11″	1′ 9″ × 1′ 8″	20ft.	28 lbs.	14 0 0
3	2′ 7″ × 2′ 0″	2′ 0″ × 1′ 9″	25ft.	56 lbs.	16 0 0
4	2′ 10″ × 2′ 4″	2′ 3″ × 2′ 0″	25ft.	84 lbs.	18 0 0
5	3′ 1″ × 2′ 7″	2′ 6″ × 2′ 3″	25ft.	112 lbs	20 15 0
6	3′ 4″ × 2′ 8″	2′ 8″ × 2′ 4″	30ft.	2 cwt.	30 0 0
7	3′ 6″ × 2′ 9″	3′ 0″ × 2′ 4″	30ft.	3 cwt.	34 0 0
8	4′ 2″ × 3′ 7″	3′ 6″ × 3′ 2″	35ft.	5 cwt.	44 5 0
9	5′ 5″ × 4′ 6″	4′ 6″ × 4′ 0″	38ft.	7 cwt.	64 10 0

With Uprights, Geared Hauling and Cage Wheels and Ropes; Hand Brake and Cage; and Balance Weight Capable of Exact Adjustment

STEAM POWER, WAREHOUSE & HAND POWER, CARRIAGE, HOSPITAL, & CELLAR LIFTS.
Lift Gearing supplied. Prices as per List on Application.

REVOLVING SHUTTERS FOR SHOP FRONTS.

PRICES: Self-Coiling, Wood from 4/10; Corrugated Steel from **2/6**, with Springs and Boxes. Curvilinear Steel Lath Shutter, from **4/0**, or with Gearing from **4/6** per foot super.

EXPERIENCED WORKMEN SENT TO ALL PARTS OF THE COUNTRY.

REVOLVING SHUTTER PARTITIONS.

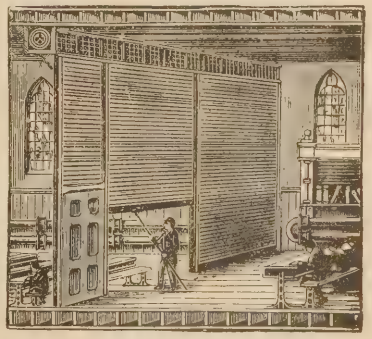
FOR THE DIVISION OF SCHOOLS COLLEGES, &c.

As Fitted by us to the Birmingham, Brighton, Portsmouth, and other School Boards.

RETAINS all the advantages of the LARGE ROOM for Meetings, Examinations, &c., and can be cleared away in three minutes, leaving unobstructed space

Price from **3/-** *per square foot, delivered and fixed complete, ready for Varnishing, with Cornice, Door, and Movable Pilasters and Fasteners.*

1,000 SCHOOLS FITTED THROUGHOUT THE COUNTRY.

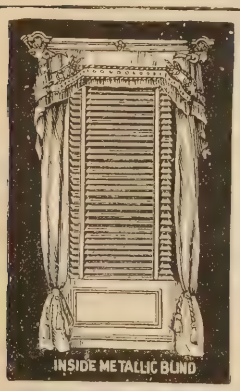


FOLDING SCHOOL PARTITIONS.

With panelled framing and glazed upper panels on Ball Bearing Pulleys, **3/6** per ft. sup.

SLIDING SCHOOL DIVISIONS.

With rolling centre Pulleys and glazed upper panels, from **5/6** per ft. sup.
Delivered and fixed complete, ready for Varnishing.



INSIDE METALLIC BLIND

"THE WINDOW BLIND OF THE PERIOD."

OR

PATENT METALLIC VENETIAN BLIND.

— LIGHT, DURABLE, ELEGANT. —

Does not occupy half the space of a Wood Blind. Is Fireproof.

Beautifully enamelled, and will not chip or blister. When dirty can be restored equal to new by washing in soap and water.

The edges of the laths and cord holes are folded over so that the tapes and cords can not be cut.

Metallic Venetian Blinds, from **9d.** *per sq. ft. Wood Venetian Blinds, from* **8d.** *per sq. ft.*

Inside Roller Blinds, from **5½d.** *Blinds under 14 ft. charged as 14 ft.*

REPAINTING, TAPING, and CORDING OLD VENETIAN BLINDS, 4½d. per sq. ft.

WIRE BLINDS

in Mahogany Frames, French Polished, from **2/-** per sq. ft. Gold lines and corners, **2/6** per ft. Wood or Brass Sweep Rails, **8d.** per ft. extra. **Special Designs as per Estimate.**

FLORENTINE BLIND

OUTSIDE SUNBLINDS.

Spanish Blinds in Wood Cases from 2/6 per sq. ft.
Florentine „ „ „ „ 2/3 „ „
Helio-Scene „ „ „ „ 2/6 „ „
Outside Venetian „ „ „ „ 1/8 „ „

Blinds under 20 ft. charged as 20 ft.

OLD BLINDS RE-COVERED WITH NEW TICKS.

SPRING ROLLER SHOP BLINDS.

Covered with All Linen Blind Ticks, and with Arms and Slides to be fixed in Cornice, from 12/6 per ft. lineal.

Ditto, with Box on top of Cornice, 16/- per ft. lin.

Blinds under 10 ft. charged as 10 ft. lineal.
German Silver joints and slides, 40/- extra.

W. F. S. HOLT,

BOWLING BACK LANE, BRADFORD.

Telephone No. 1305. Telegrams—"HOLT, LAISTERDYKE."

The following are all fit up ready for fixing, and placed on trucks in Bradford:—

REVOLVING . SHUTTERS .

In Wood, Iron, or Steel.

		Per Foot Supl.
Best Redwood Shutters, connected together with Copper Bands, Webbing and Steel Strip, and worked by Springs	from	10d.
If worked by Weights	extra	2d.
If Fitted with Iron Band Link Hinges, which makes a much stronger Shutter (suitable for Warehouse and Coachhouse Doors, &c.)	extra	2d.
Curvilinear Iron Lath Shutters	from	2/6
Corrugated Steel Plate Shutters	"	2/-

Minimum Size Invoiced, 25 *t. supl.*

SPRING . . SUNBLINDS.

		Per Foot Linl.
Rollers and Brackets, with Strong Canvas sewn on, and Iron Arms, with Sliding Extension	from	5/-
Rollers and Brackets only	"	2/3

Minimum Size Invoiced, 10 *feet linl. Fittings to above supplied separately if required.*

VENETIAN . BLINDS . .

		Per Foot Supl.
Made from best selected **Quebec Spruce,** Painted or Varnished, with Woven Linen Ladder Tapes, Cords, Tassels, Beaumont Actions, &c., complete,	from	4½d.
Repainting, Taping and Cording	"	3d.

Minimum Size Invoiced, 14 *feet supl.*

For Florentine, Oriental, Holland and Wire Blinds, and for Lifts and Hoists, see our Catalogues, which can be had free on application.

ESTIMATES given, with COMPLETE SPECIFICATION, on receipt of particulars.

STEER, THORNBOROUGH & CO.,

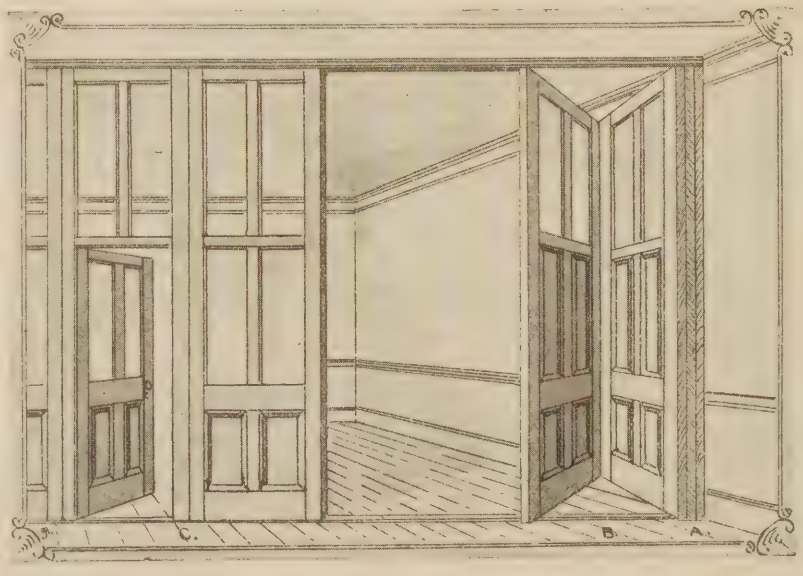
Telephone: 1773 Tottenham.
Telegrams: "STEER, TOTTENHAM."

HIGH CROSS, TOTTENHAM, LONDON, N.

Manufacturers of Patent Swivel Partitions, Hinged and Folding Partitions.

Ball Bearing Gearing.

Collapsible Gates.



Manufacturers of Improved Spring Revolving Shutters, in Wood, Iron, and Steel.

Art Metal Workers.

INSIDE AND OUTSIDE BLINDS OF EVERY DESCRIPTION.

GATES, RAILINGS, LIFT ENCLOSURES, AND EVERY DESCRIPTION OF ORNAMENTAL IRONWORK.

Telegraphic Address—"HARTLEY'S, GORTON." Nat. Telephone 126 OPENSHAW.

HARTLEY BROS.,

MANUFACTURERS,

Queen's Road Machine Joinery Works,

GORTON, MANCHESTER.

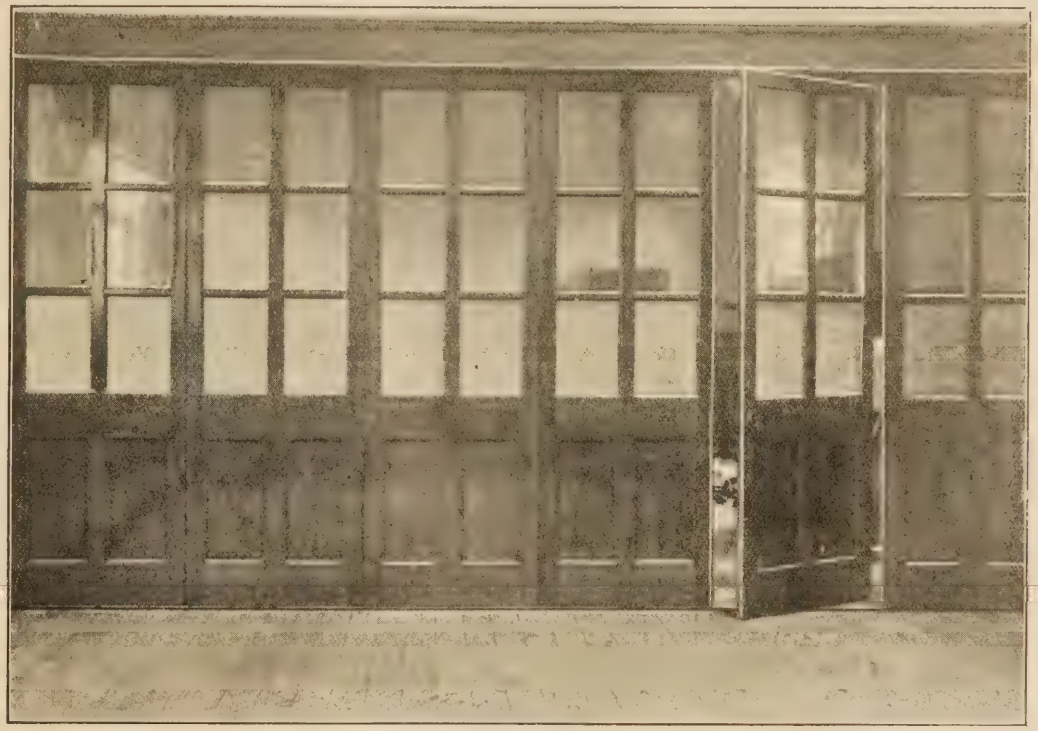
IMPROVED PATENT FOLDING AND SWIVEL PARTITIONS

PRICE PER SUP. FOOT

SWIVEL FOLDING

2/4

Experienced workmen sent to fix



PRICE PER SUP. FOOT

HINGED AND FOLDING

1/10

In any part of the Country.

FOR DIVISIONS IN SCHOOLS AND PUBLIC BUILDINGS.

In Sections from 2 feet 6 inches to 3 feet, out of Carefully Selected Timber, either Pitch Pine, Yellow Pine or Redwood. A Wicket Door can be inserted in any Leaf.

ALL WORK GUARANTEED FOR TWO YEARS.

REVOLVING . . . . SHUTTERS.

IN WOOD OR IRON.

⅝ Redwood Laths - - 10d. per foot super.
Ditto, Chain Hinged - 1/- ,, ,,

On Trucks Manchester.

SELF-ACTING SHOP SUN-BLINDS.

Spring Blind in Box - - 6/3 per foot lineal.
Ditto, without Box - - 5/- ,, ,,

All complete with best quality sail cloth, and all fittings ready for fixing.

On Trucks Manchester.

See also page 164.

"THE LUCAS" FOLDING PARTITION

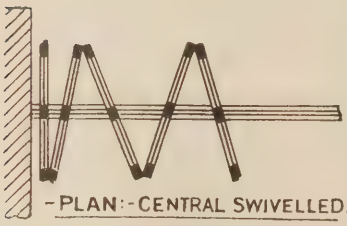
NEW · PATENT · THE "LUCAS" · THE "LUCAS" · TRADE · MARK

Sole Makers and Patentees.

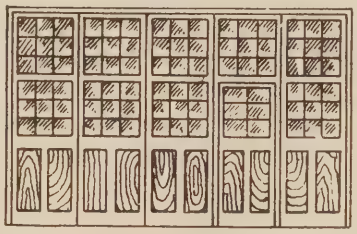
Contractors to the Admiralty, War Office, H.M. Office of Works, London County Council, &c.

J. E. LUCAS & SON, BROCKLEY, S.E.

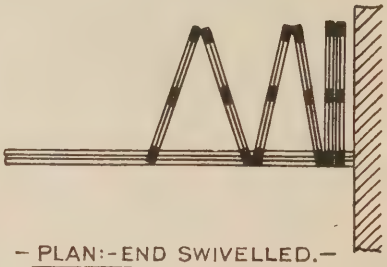
Works:—TANNER'S HILL, S.E.



-PLAN:-CENTRAL SWIVELLED.-



-ELEVATION.-



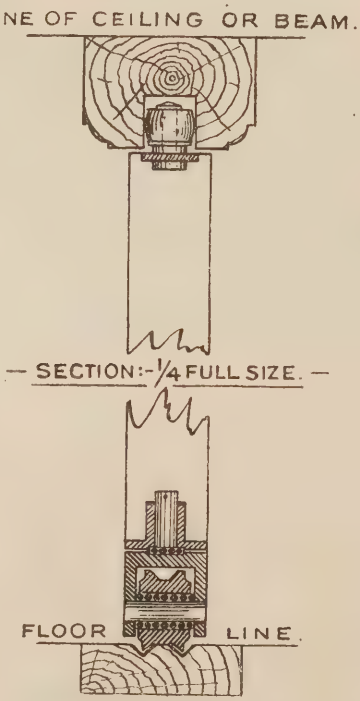
-PLAN:-END SWIVELLED.-

"THE LUCAS" FOLDING PARTITION

Excels all others for SIMPLICITY & EASY RUNNING.

Some of the Advantages:—

FOLDS in LESS SPACE.
BALL bearings to SWIVEL action.
BALL bearings to RUNNER action.
RUNNING on a SERIES of BALLS.
(See Illustration.)
METAL protected RAIL in floor (only $1\frac{1}{8}$in. thick).
MORE EASILY kept FREE from DIRT.
NO sticking of PINS in the groove.
NO movable STILE at folding side (taking up space).
CAN be made to FOLD CLOSE to WALL (if required).
NO HALF LEAF at folding side.
ANY Carpenter can FIX them.
SUPPLIED all fitted together READY to FIX or FIXED complete.



Also SLIDING PARTITIONS, FIXED PARTITIONS, JOINERY and DOORS of every description.

LUCAS'S Other Specialities.

Self-sustaining SAFETY DINNER and SERVICE LIFTS.
(As supplied to the New Town Hall and Law Courts Cardiff, Brixton Town Hall, &c., &c., &c.

Fire-resisting REVOLVING SHUTTERS
IRON DOORS, SASHES and CASEMENTS.

SOME OF THE MANY TESTIMONIALS

(UNSOLICITED).

One containing 753 feet super, all folding.

Sept. 19th, 1905.

"I have pleasure in informing you that the Folding Partition which you supplied for the Duke Street Mission Hall (Workington, Cumberland), is I believe one of the *largest* in use. Size 41ft. 10in. by 18ft. (all folding). All works well and gives general satisfaction."

P.S.—I hope the Partition you have *now on order* is about ready for dispatch."

We believe this is the *highest* and largest Partition ever made, and the Builder's men fixed it.

May 23rd, 1906.

"I have inspected the recently fixed Sliding Partition at Hertford Grammar School, and have been *greatly impressed* by the ease with which it was worked. It has evidently been erected with considerable skill and care."

PUBLIC WORKS OFFICE,
MERVILLE, GALWAY,
May 25th, 1906.

"Enclosed please find cheque in settlement of account for Partition supplied to the Presentation Convent, Galway.
The Partitions are working *very smoothly*."

NATIONAL SCHOOLS,
WANSTEAD,
May 28th, 1906

"You will be glad to hear that I am *delighted* with the Partition. It is a *very great success*." (30ft. by 13ft., all folding to one side).

Further Testimonials given if necessary. Write for Estimates and Particulars.

F. M. THORNBOROUGH & SON

(Late BRADY & THORNBOROUGH.) (Established 1870.)

59 CHAPEL STREET, STORE STREET, MANCHESTER,

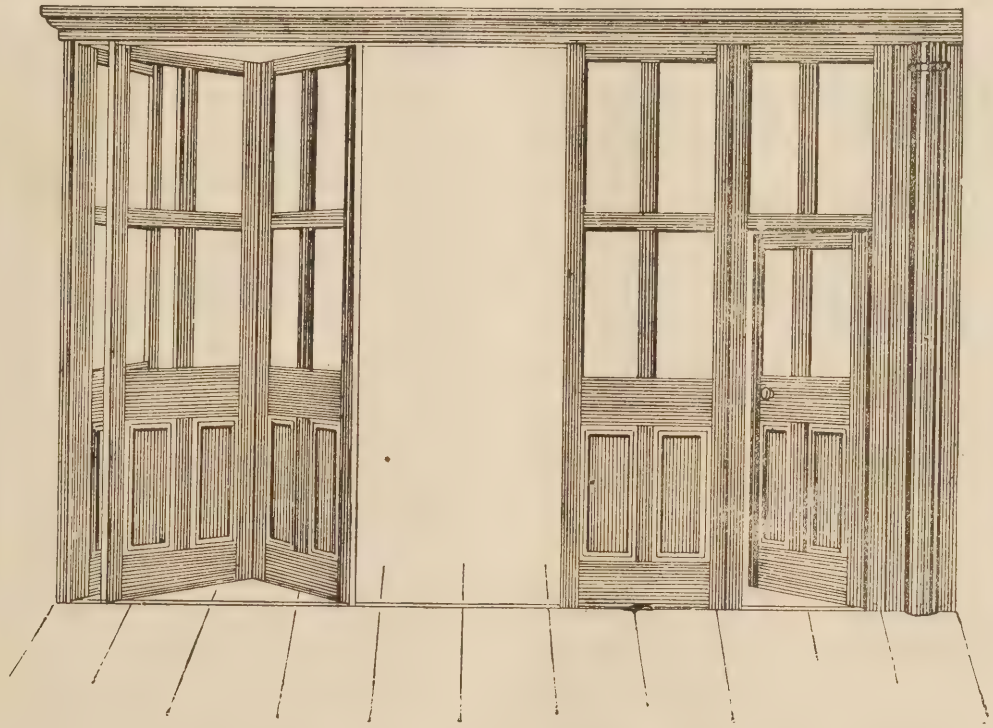
Manufacturers of

Improved Patent Swivel Partitions,

ALSO

FOLDING PARTITIONS FOR SCHOOLS, &c.

CENTRAL OR SIDE



FOLDING AS DESIRED.

Improved Revolving Shutters,

In Wood, Iron or Steel.

TESTIMONIALS, DRAWINGS, PRICES, AND ALL DETAILS, FREE ON APPLICATION.

INSIDE & OUTSIDE

BLINDS

of every Description

Luggage and Dinner Lifts.

ARCHITECTS' DESIGNS CAREFULLY CARRIED OUT

SHEATH BROS., 87, CITY ROAD, LONDON.

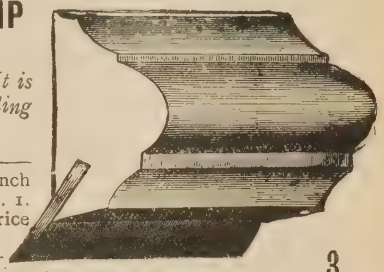
General Manufacturers of Draught Stop Mouldings.

SOLE AGENTS FOR

VALENTINE'S PATENT FELT WEATHER STRIP

FOR DOORS, WINDOWS, ETC.

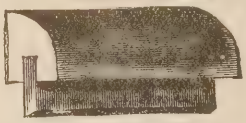
Perfectly excludes Cold, Wind, Rain, Snow and Dust. It is the best, cheapest, most durable, and effectual Draught-excluding Moulding.



3

No. 0 is intended for the inside of upper sash. Nail to the parting strip with ¾ inch brads, or it can be used for Windows and Doors generally, applied same as No. 1. Being less in price it is preferred by some, as it answers the same purpose as No. 1. Price 2d. per foot in 7 ft. lengths.

No. 1 is applied to Doors and Windows, making them air-tight, and entirely preventing their rattling. Close the door and brad the strip to the jamb or frame, so that the felt presses gently against the door. For lift windows, close the sash and brad to the stop-bead at the sides and bottom, so that the felt will press gently against the sash. For a neat job, mitre corners. Use ¾ inch brads or finishing nails. Price 2½d. per foot in 7 ft. lengths.



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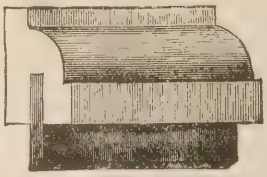

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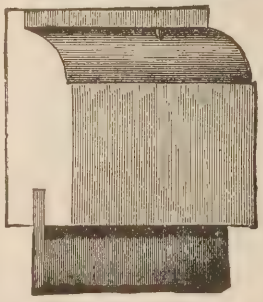


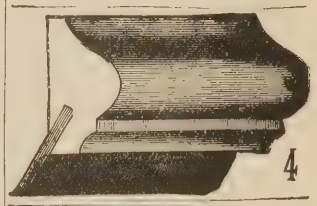
2

No. 2 is applied to bottoms of Doors, and also to bottom rail of French sash, the felt to press gently on the sill. Close the door or sash before applying. Use 1¼ in finishing nails or 1 in. screws. Price 4½d. per foot in 7 ft. lengths.

No. 3 is a perfect arrangement for closing the joints between Double Doors. Close the doors and nail to one door, with the felt projecting over the other. Use 1¼ in. brads or finishing nails. Price 4½d. per foot in 7 ft. lengths.

No. 4 is a neat and effective device for closing the joint between the Upper and Lower Sash of Lift Windows, and also for French Windows, to close the joint between the two sashes. For lift windows it is bradded to the top of lower sash, the felt extending to and bearing on the upper; in case there are fastenings, apply to the under side of upper sash with the felt projecting over the lower one. For French windows, brad to one sash with the felt bearing on the other. Use 1 in. brads or finishing nails. Price 3½d. per foot in 7 ft. lengths.

No. 5 is made with double thick felt, and is applied to the Bottoms of Front and Store Doors. Close the door before applying, and press the felt gently in the sill. Use 1 in. screws. Price 6d. per foot in 7 ft. lengths.



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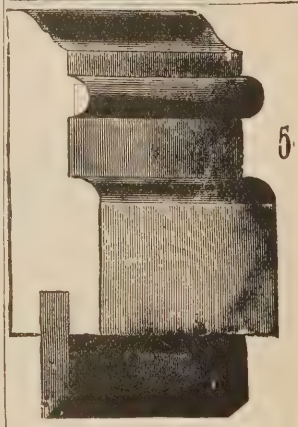
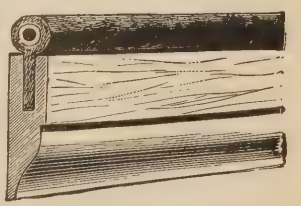


5

Nos. 59 and 60.

Crimson, Green, or Drab Cloth Covered Draught Excluding Tubing.

MOUNTED ON WOOD MOULDING VARNISHED OAK.



SIZE MOULDING.	½ in.	¾ in.	1 in.	IN 7 FEET LENGTHS.
	s. d.	s. d.	s. d.	
Price	0 3	0 3	0 3	Per foot.

PATENT SELF-ACTING DOOR SLIDES,

Outside of the Bottoms of Doors.

Made in Oak and Mahogany, with Brass Plates and Spring.

3 feet and under, 4s. 6d. each. | Above 3 feet long, 5s. 0d. each.

IN ORDERING DOOR SLIDES, RIGHT OR LEFT HAND MUST BE STATED.

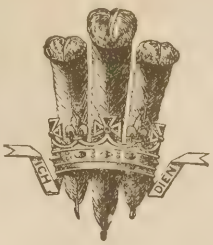
The Prices in this List are subject to alteration, with or without notice.

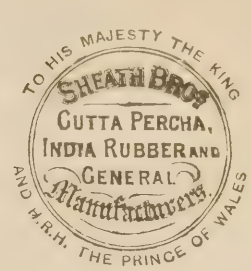
See also Advertisement in "The Architect's Compendium."

BY SPECIAL APPOINTMENT

Large Medal awarded to SHEATH BROTHERS by the Council of the Inter-Colonial Exhibition, Victoria (Australia), 1866-67.

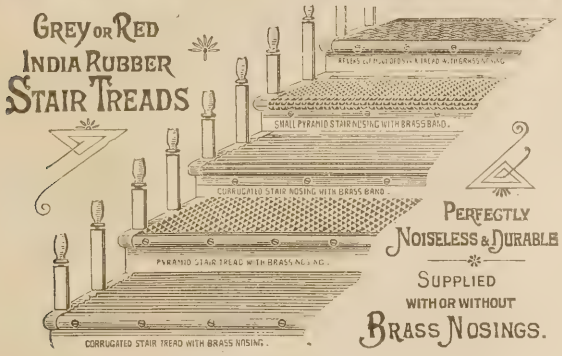
BY SPECIAL APPOINTMENT





By Special appointment to HIS MAJESTY THE KING, and HER LATE MAJESTY THE QUEEN, for their Patent Self-Supplying Water Brush and Hose Apparatus. *See Special List.*

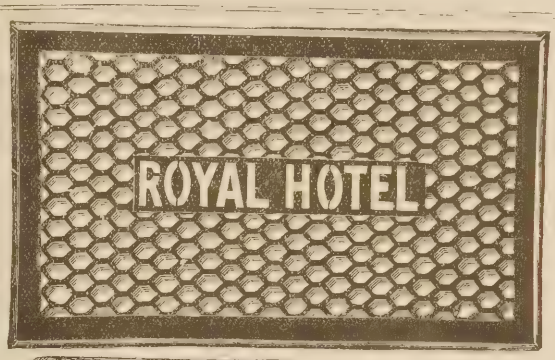
SHEATH BROS.

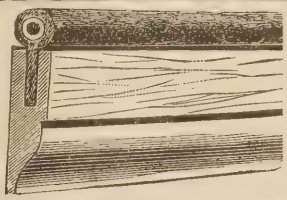


Illustrated Price List sent with sample on application.

A LARGE QUANTITY IN STOCK.

ORDERS CAN BE IMMEDIATELY EXECUTED.





Manufacturers of the Improved Cloth-Covered Tubular Draught Moulding, Leather and Cloth-Covered Draught-Tubing, Patent Vulcanised India-Rubber Door and Carriage Mats, Corrugated and Pyramid India-Rubber Sheet for Stair Treads, Gutta Percha Noiseless Curtain Rings.

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India Rubber Squeegees for cleaning Roads, Footpaths, &c.

Send for Free Illustrated Price Lists.

India Rubber Garden Hose and Fittings.

For the Price of all Sizes India Rubber Hose, see No. 1 List.

For Price of Brass Fittings for all Sizes of Hose, see No. 2 List.

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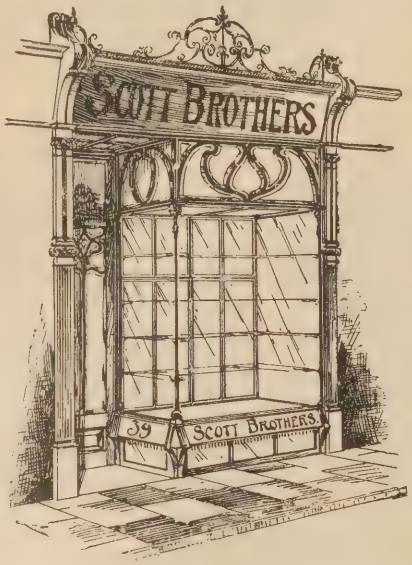
Scott Brothers,

Shopfitters, GRAVEL LANE, SALFORD, MANCHESTER,



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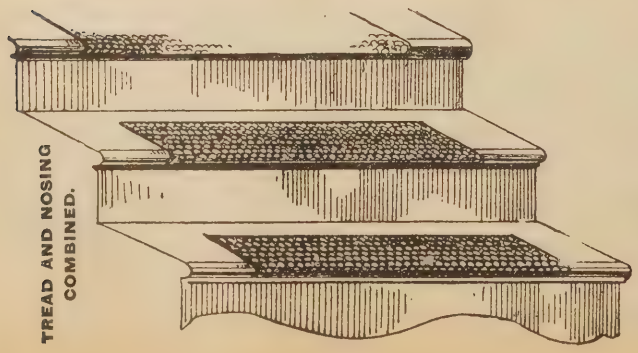
Commencing on page **347**, showing the class of work various Building Firms are accustomed to undertake, are a valuable guide to Architects when placing contracts for the erection of Buildings, &c.

LYTE'S METALLIC WOVEN STAIR-TREAD Co., Ld.

24, CRAVEN STREET, CHARING CROSS, W.C. (*Close to District and S. E. Ry. Stations*).

SUPPLIED TO H.M. GOVERNMENT IN ALL PARTS OF THE COUNTRY, LONDON COUNTY COUNCIL, RAILWAY CO.'S, &c., &c.



The PATENT TREADS offer, amongst others, the following advantages:

Do not harbour dirt.
Lead cannot work out of the wire mesh.
Offer no long surfaces of metal to polish and become slippery.
Can be adapted to any steps.
Perfect security against slipping.
Great durability.
Pleasant to walk on.
Neat & ornamental appearance.
No special fixings required.
Can be laid with nails or screws

Stock Sizes of TREADS of STEEL-CORED LEAD WIRE Woven with Steel Wire.

	3	4½	6	7½ ins. deep over all, including nosing.
24 Ins. Wide	2/6	3/9	5/-	6/3 Each.
27 "	2/11	4/3	5/8	7/- "
30 "	3/3	4/9	6/3	7/10 "
33 "	3/6	5/3	6/11	8/8 "
36 "	3/9	5/8	7/6	9/5 "

SPECIAL SIZES QUOTED FOR, & SAMPLES SENT ON APPLICATION.

For narrow treads (3 in. and 4½ in.) we recommend addition of our plain Iron Stripping, ½in. wide, to protect back edge; price **7d.** per strip for 24, 27, 30, 33 or 36 in. treads, drilled ready for fixing. We also supply brass edging for back and sides; prices on application.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1.

Section 0.

Glazing and Glass. Prisms. Roof Glazing.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
British Challenge Glazing Co., Ld.	236
British Luxfer Prism Syndicate, Ld.	233, 236
Chance Bros. & Co., Ld.	232A, 232B
Grover & Co., Ld.	237
Hanwell's Glazing Works	238
Hayward Bros. & Eckstein, Ld.	232, 234
Helliwell & Co., Ld.	239
Heywood, W. H., & Co.	231
Luxfer Prism (The British) Syndicate, Ld.	233, 236
Mellowes & Co., Ld.	240
Pilkington Bros., Ld.	234A—234D
St. Pancras Ironwork Co., Ld.	235

WORKS. BAY HALL. HUDDERSFIELD.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

BY ROYAL LETTERS PATENT

LONDON OFFICE. 39, VICTORIA ST. WESTMINSTER.

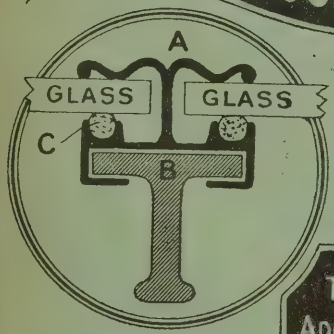
THE HEYWOOD COMBINATION SYSTEM OF GLAZING

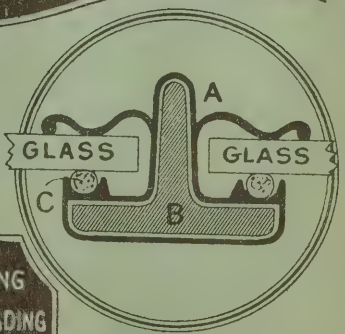
FULL SIZE SECTIONS

SECTIONS OF BARS TO SUIT BEARINGS.

A Lead Cap.
B. Galvanized Steel Bar.
C. Asbestos Packing.

A. Lead clothed Bar & Cap combined drawn in one piece without joint.
B. Steel Bar Galvanized.
C. Asbestos Packing.





THE HEYWOOD COMBINATION SYSTEM OF GLAZING ADOPTED BY HIS MAJESTYS GOVERNMENT & BY THE LEADING ARCHITECTS, ENGINEERS, ETC. FOR RAILWAY STATIONS, MARKETS, MILLS FOUNDRIES ETC.

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THOSE WHO

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FIGURED ROLLED.

FLANNEL FLOWER PATTERN.

Registered No. 448986.

[SEE OVER.

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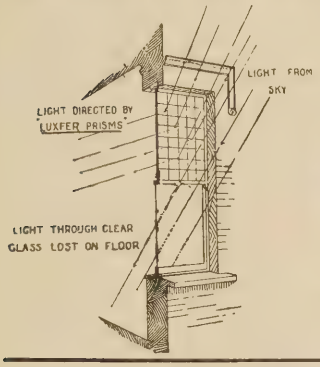
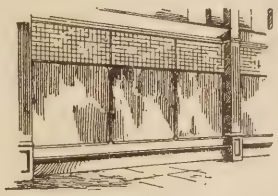
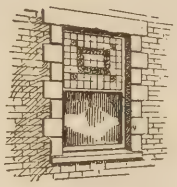
SEE OVER.]

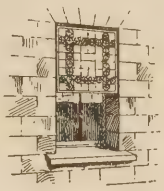
LUXFER PRISMS

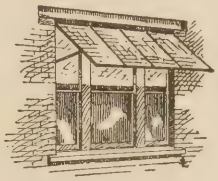


Increase the **DAYLIGHT** in a room from five to twenty-five times.


Transom-Shop Front.


Sash.


Forilux.


Canopy.

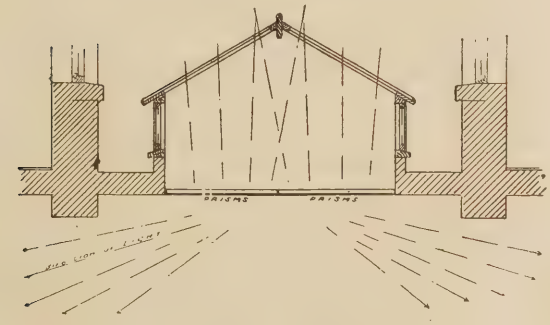
Luxfer Prisms represent the most modern and scientific methods in Prismatic Lighting. Architects are warned that an old and discarded idea of ours is being brought before them as a new invention, and absurd claims are being put forward in connection therewith. It has been definitely proved that plano-convex stripes or corrugations horizontally or vertically applied to the light-receiving surface of prismatic glass do not increase or improve the light-conducting or light-diffusing qualities of prisms.

The Luxfer system is the development of all that is best in daylight lighting, and is the outcome of many years' careful study and practice.

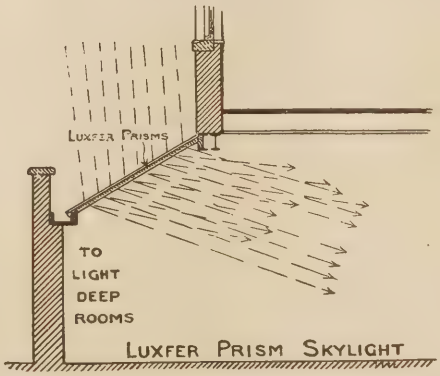
LUXFER PRISMS HAVE BEEN FIXED IN UPWARDS OF 30,000 BUILDINGS.

Luxfer Ceiling Light

Under ordinary Lantern Light.



Luxfer Skylights.



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50 per cent. more Light obtained by using
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ORNAMENTAL TILE LIGHTS.

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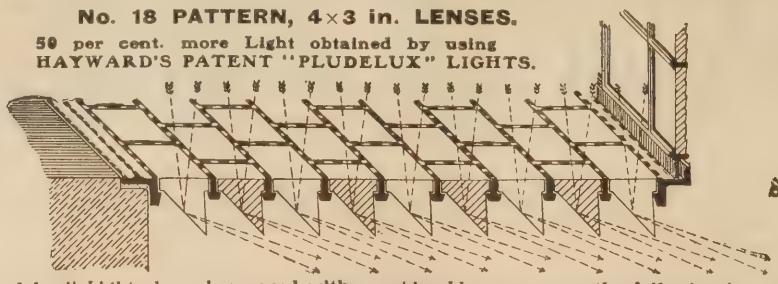

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STALLBOARD LIGHTS.

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New River Company's Pumping Stations	,,	Carlton Hotel,	,,	New Markets, Leeds.	
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Legal and Life Assurance Co.,	,,	Mann, Crossman & Paulin's Brewery	,,	New Midland Bank, Manchester.	
G P O. (Savings' Bank Dept.),	,,	Edison House,	,,	County Building, Edinburgh.	
Marshall & Snelgrove,	,,	Waldorf Theatre,	,,	Sun Fire Offices, Bristol.	

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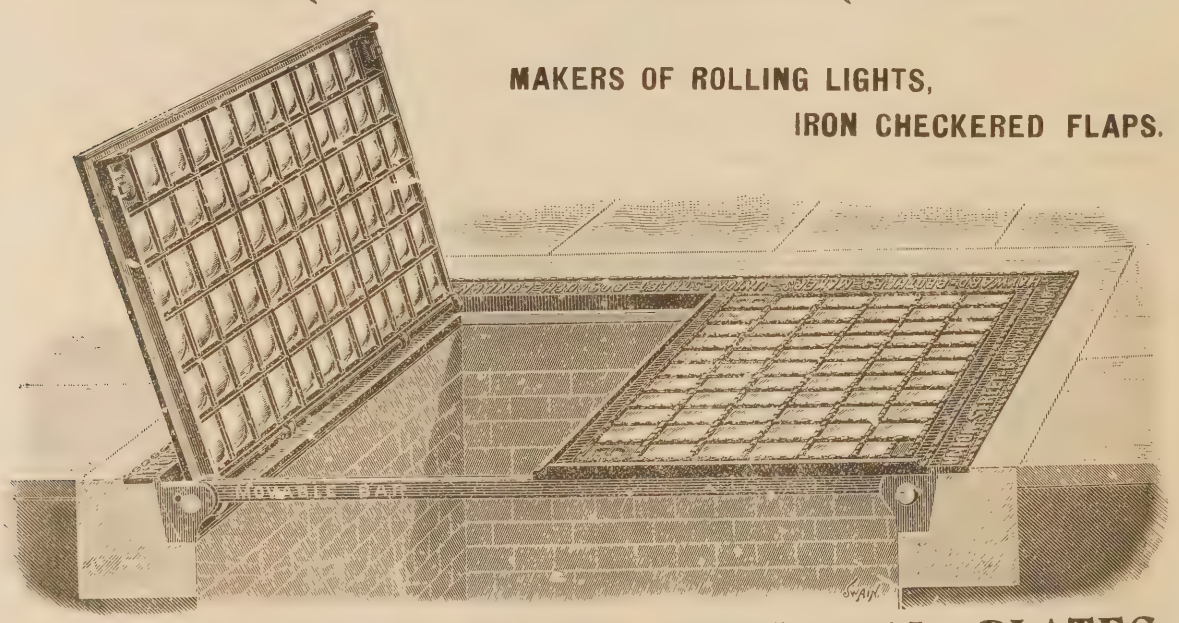
IRON CHECKERED FLAPS.



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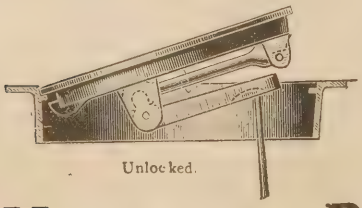
With Lead Rings, Brass Studs, and Concrete Face, to ensure Good Foothold.

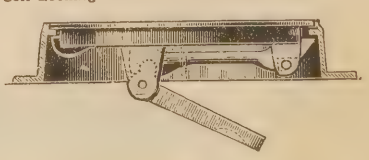
Self-Locking Coal Plate with Ring for Stone.



Unlocked.

As specified by the City of Westminster and other City and Borough Councils.

Self-Locking Coal Plate with Ring for Asphalte.



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POLISHED CAST AND ROLLED.

TESTED BY THE BRITISH FIRE PREVENTION COMMITTEE.

(ABOUT ¼-in. THICK).

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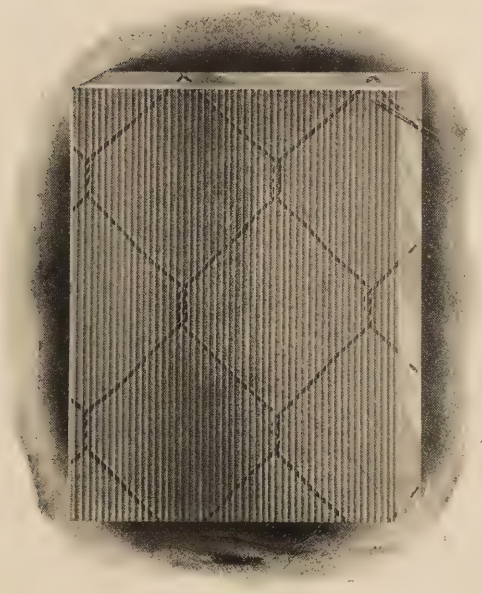
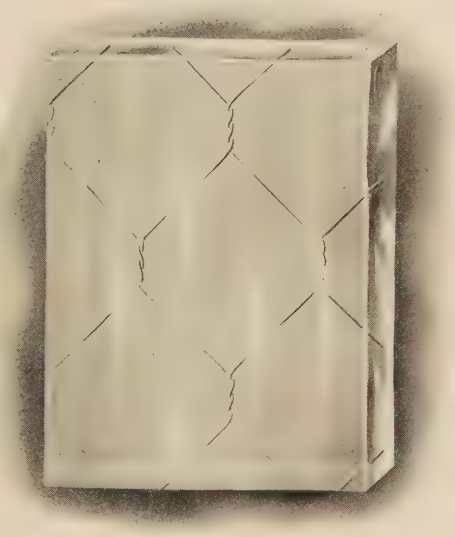
WIRED ROLLED



WIRED CAST.



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FIGURED ROLLED.

"PERSIAN" PATTERN.

Registered No. 470262.

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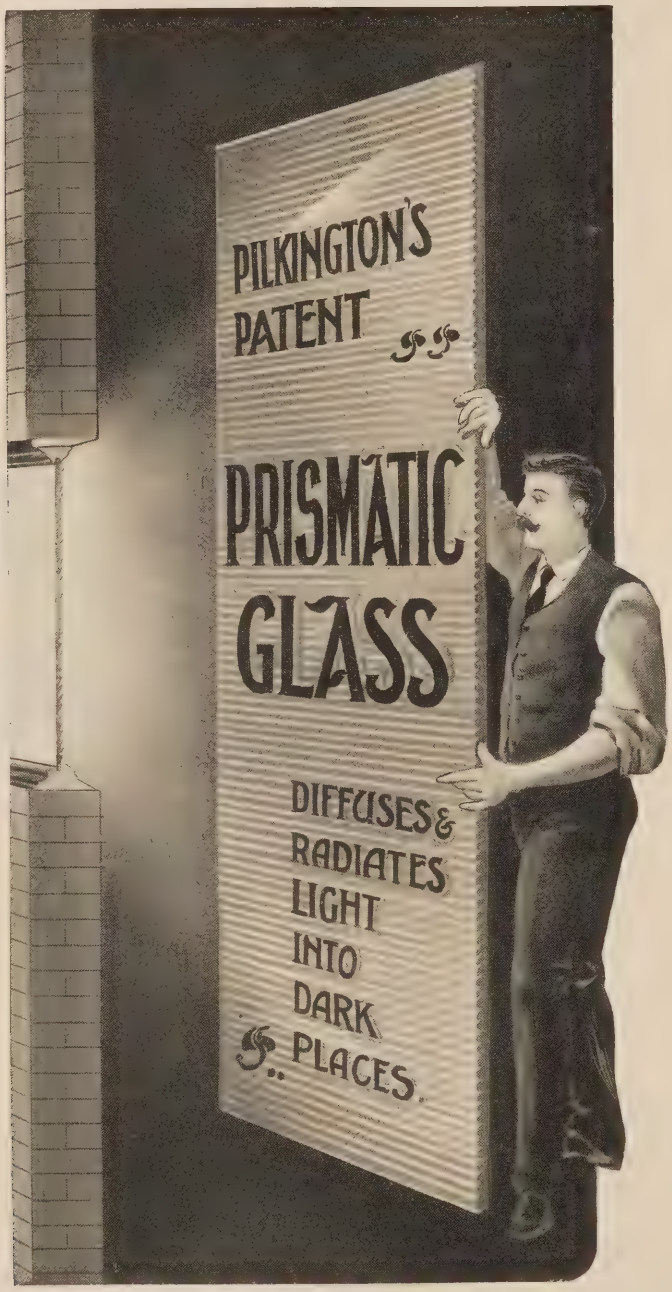

ABOUT ¼-IN THICK.

Saves the Expense of Artificial Lighting.

Enhances the Value of Property by Improving the Light.

Glass Works, Collieries, and Registered Office, St. Helens, Lancashire.

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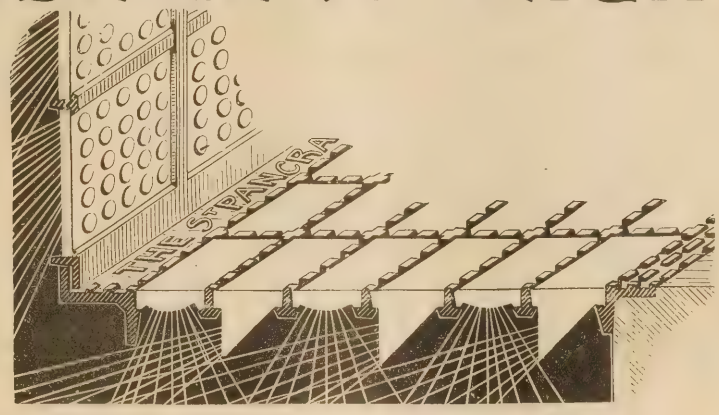
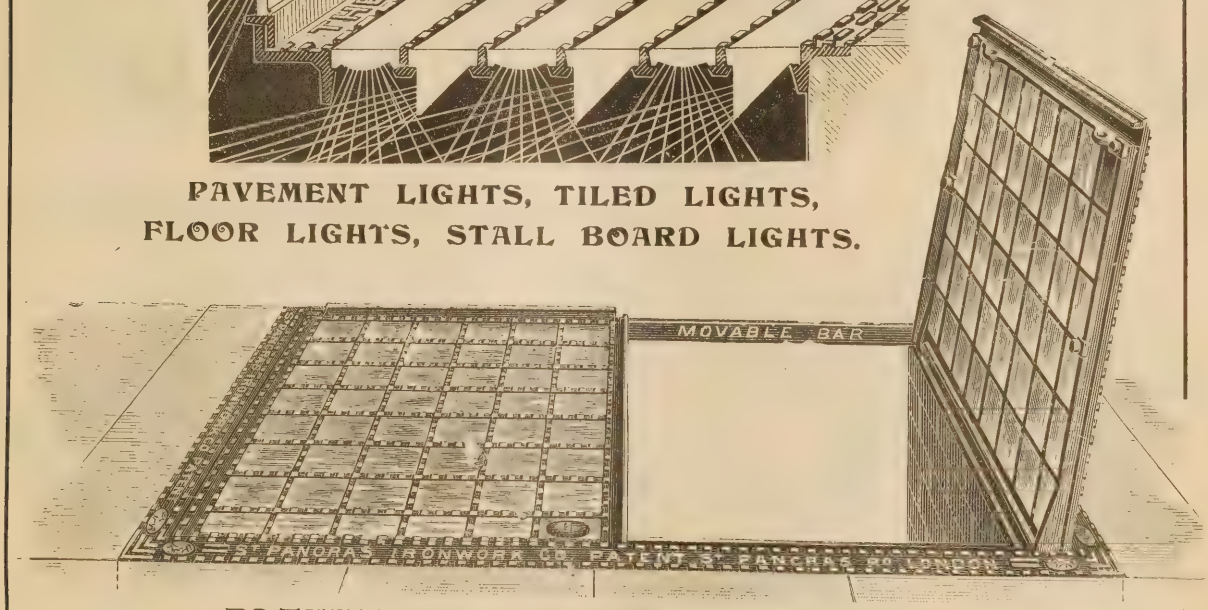
BASEMENT LIGHTING.



PAVEMENT LIGHTS, TILED LIGHTS,
FLOOR LIGHTS, STALL BOARD LIGHTS.



PATENT BALANCED CELLAR FLAPS.
ROLLER LIGHTS, SELF-FASTENING COAL PLATES,
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ALL KINDS OF PRISMATIC, REFRACTING AND
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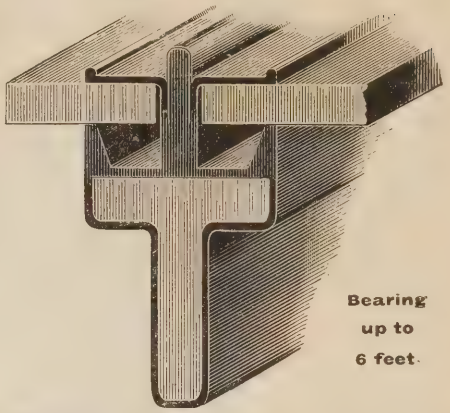

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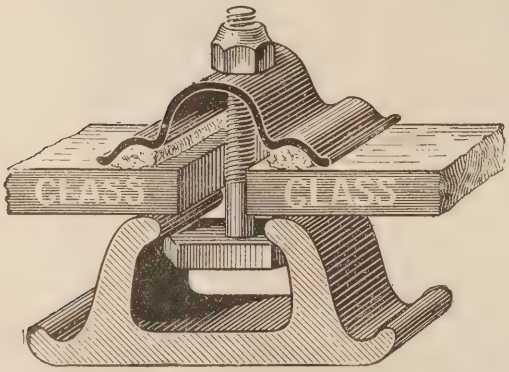

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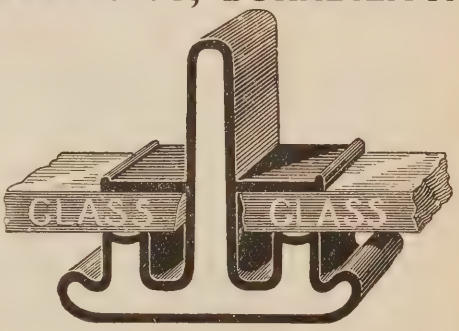

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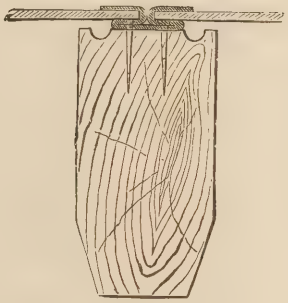

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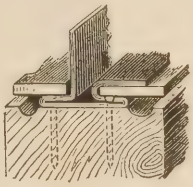

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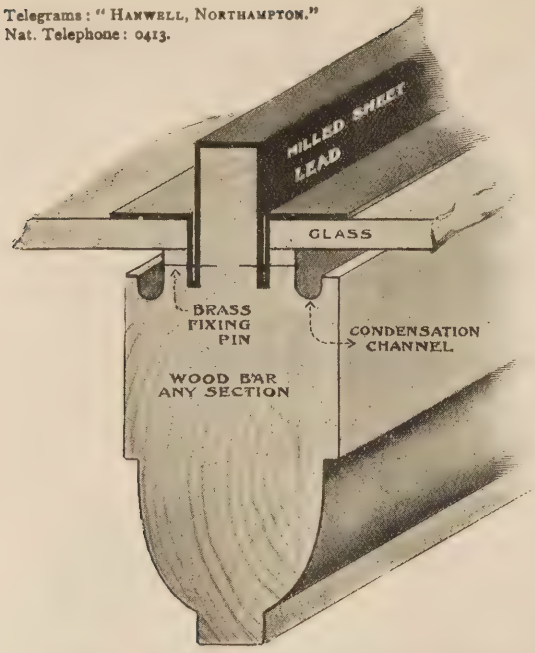

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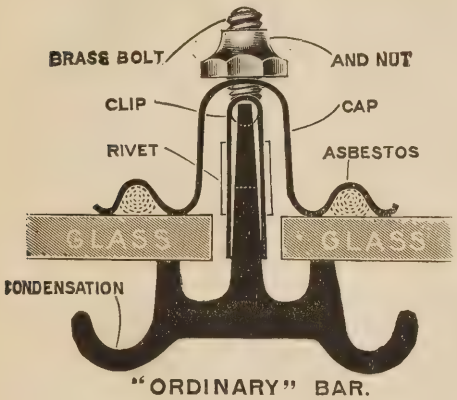

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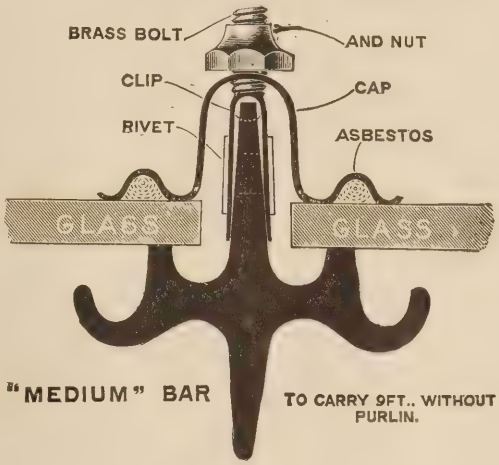

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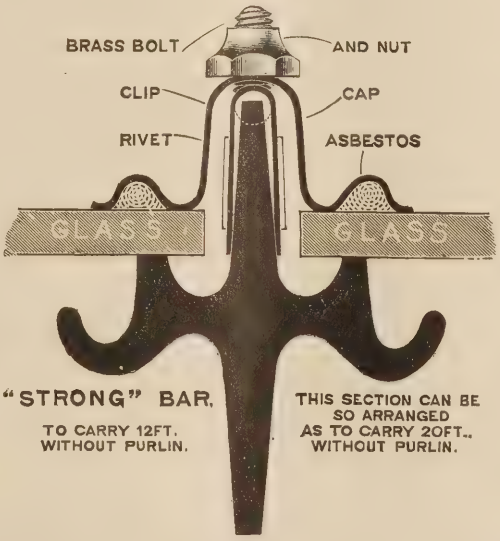

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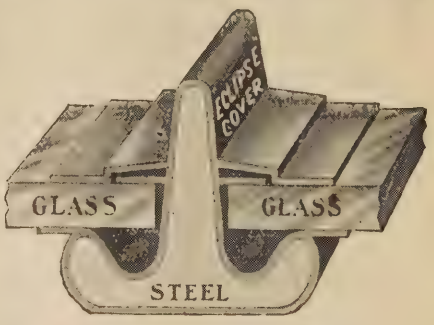

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CATALOGUE.

See also Summary of Contents, page 1.

Section P.

Paints, Colours, Varnishes, &c.

Wall and Ceiling Coverings.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Anderson, D., & Son, Ld.	243, 244
Chancellor, C., & Co.	244a, 244b
Chappell & Payne	246
Essex & Co., Ld.	246a—246d
Jeffrey & Co.	247—250
Latto, A. F., & Co.	246
Szerelmey, N. C., & Co.	245
Wall Paper Manufacturers, Ld.	250a, 250b
Weeden, C., & Co.	246

Builders' Announcements,

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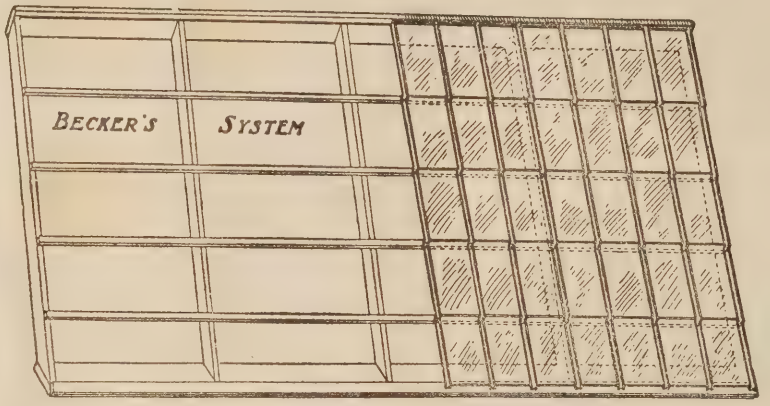

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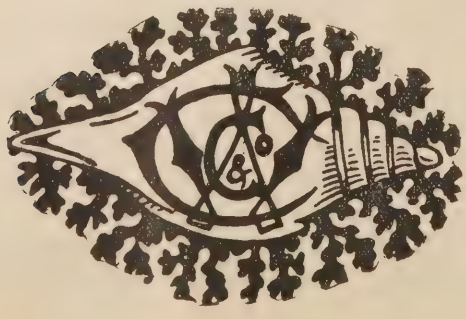

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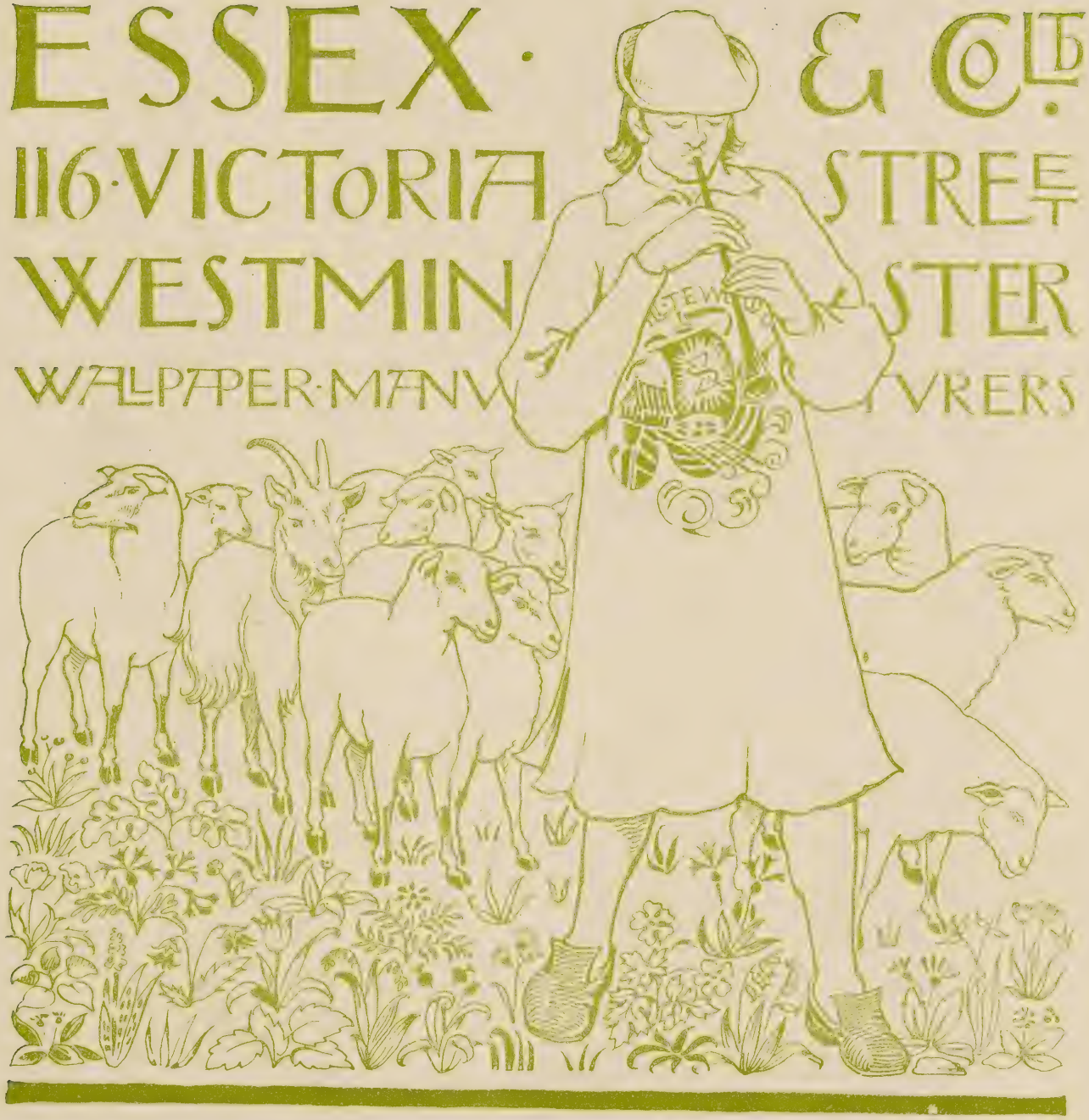
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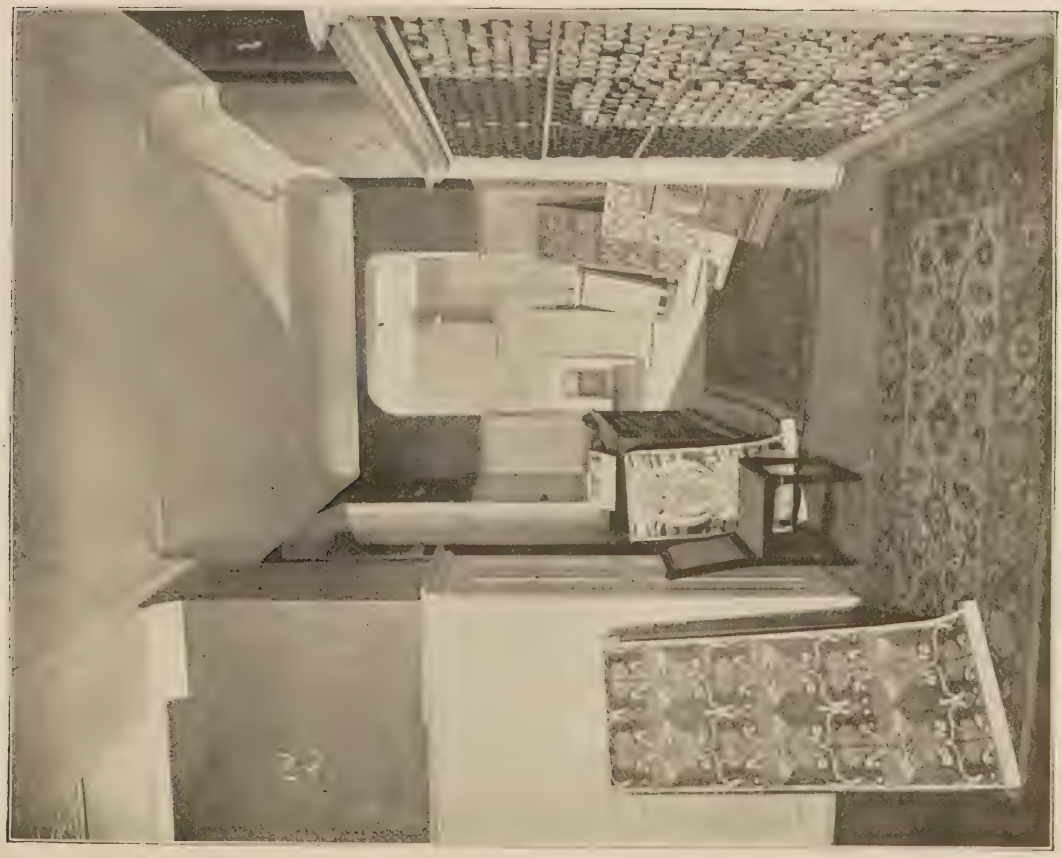

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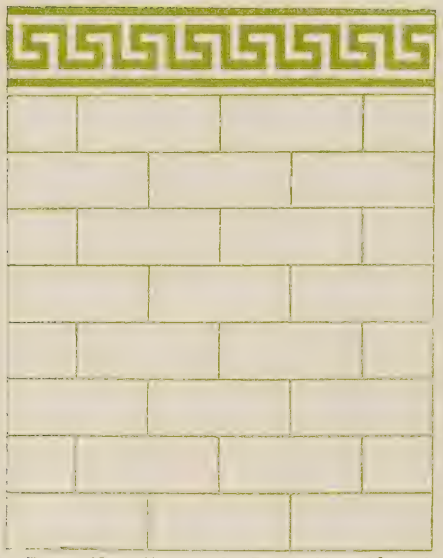

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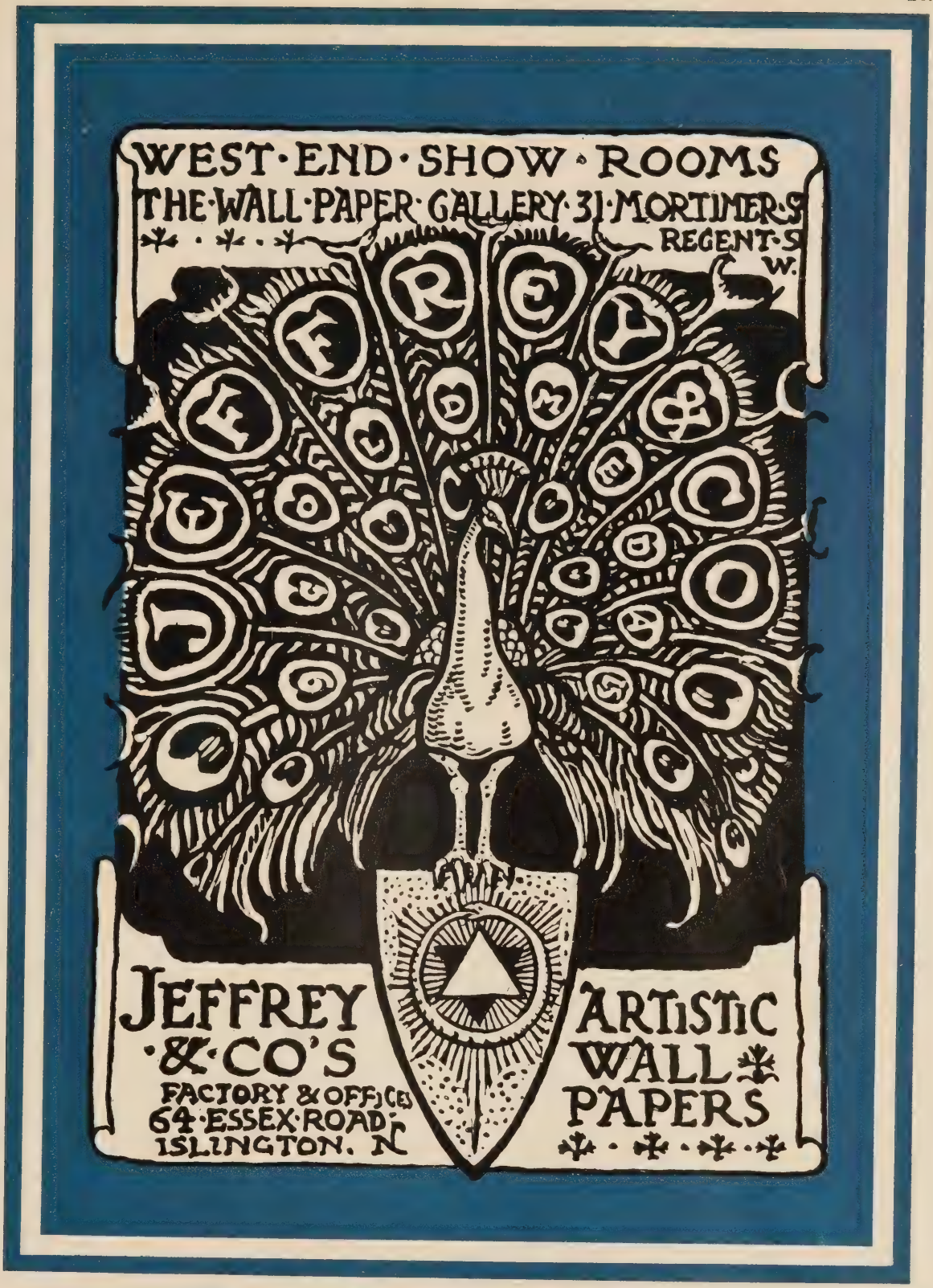

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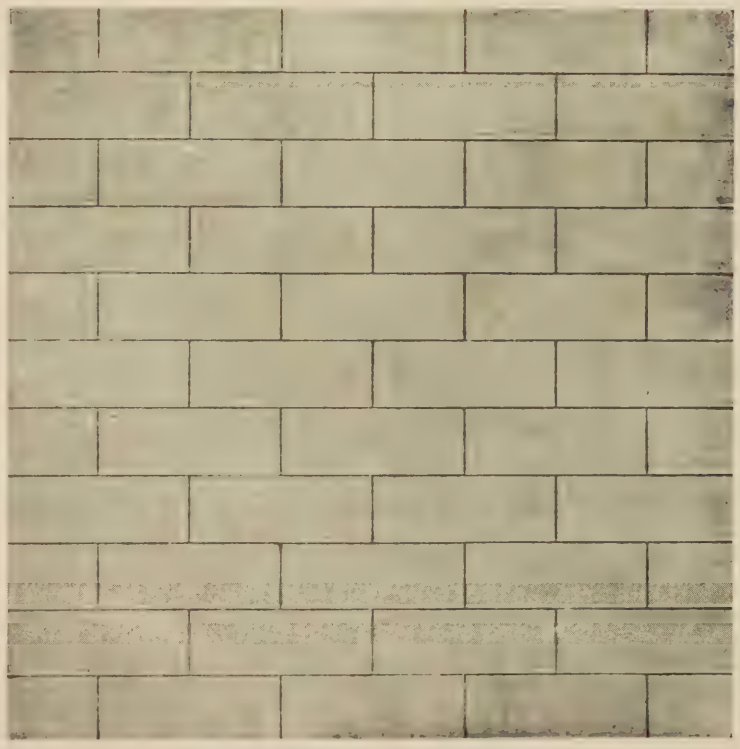
No. 515. (**ANAGLYPTA.**) 3/3 per panel. 33 × 24¾ in.

Lincrusta-Walton.

NEW Glazed Tile Dado, supplied with a highly finished surface. Makes a most effective and durable decoration for Bath Rooms, Lavatories, etc., is stocked in Blue, Yellow, Green, and White Glaze, and can be supplied in Plain White Unvarnished, at 1/6 per yard.

[SEE OTHER SIDE.]



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Lincrusta-Walton.

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No. 898.

24 inches high.

2/6 per yard.

Design runs horizontally, 12 yards to the piece.

[SEE OTHER SIDE.

... THE ...

CATALOGUE.

See also Summary of Contents, page 1

Section R.

Lightning Conductors.

Horticultural Buildings, &c.

FIRMS REPRESENTED IN THIS SECTION.

	PAGE
Anderson, R., & Co.	253
Dixon & Corbitt & R. S. Newall & Co., Ld.	254
Furse, W. J.	254
Gray, James	256
Gray, J. W., & Co.	255
Gray, J. W., & Son	252
Lewis, Joseph	251
London Drawing & Tracing Office, *Special position*	324

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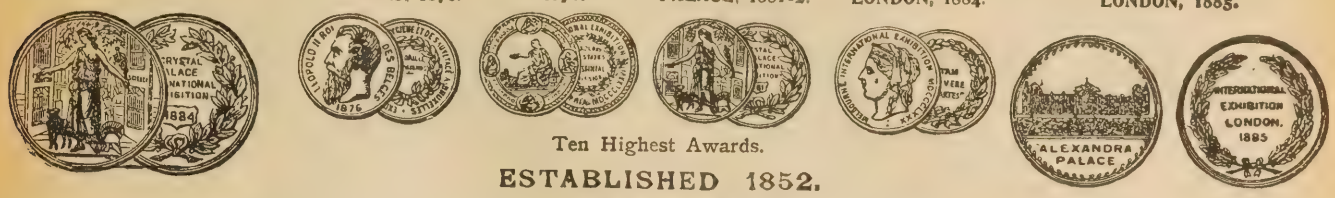

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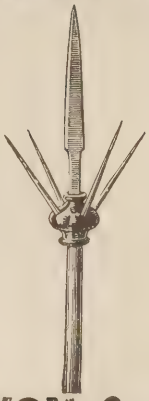

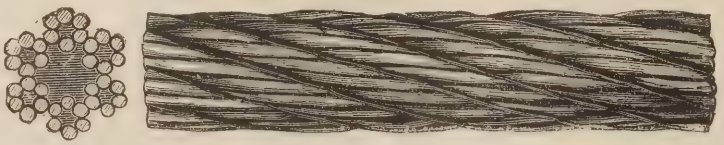

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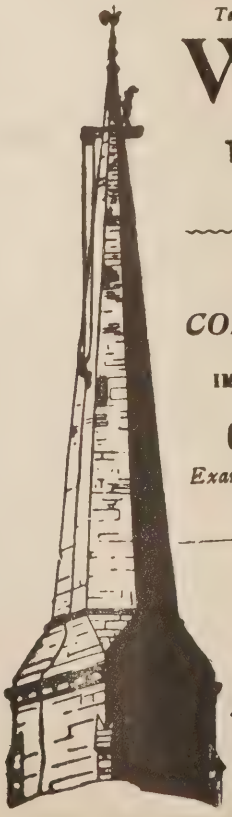

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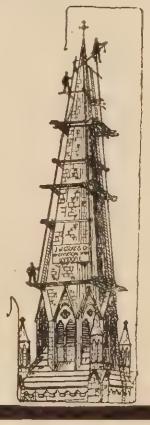

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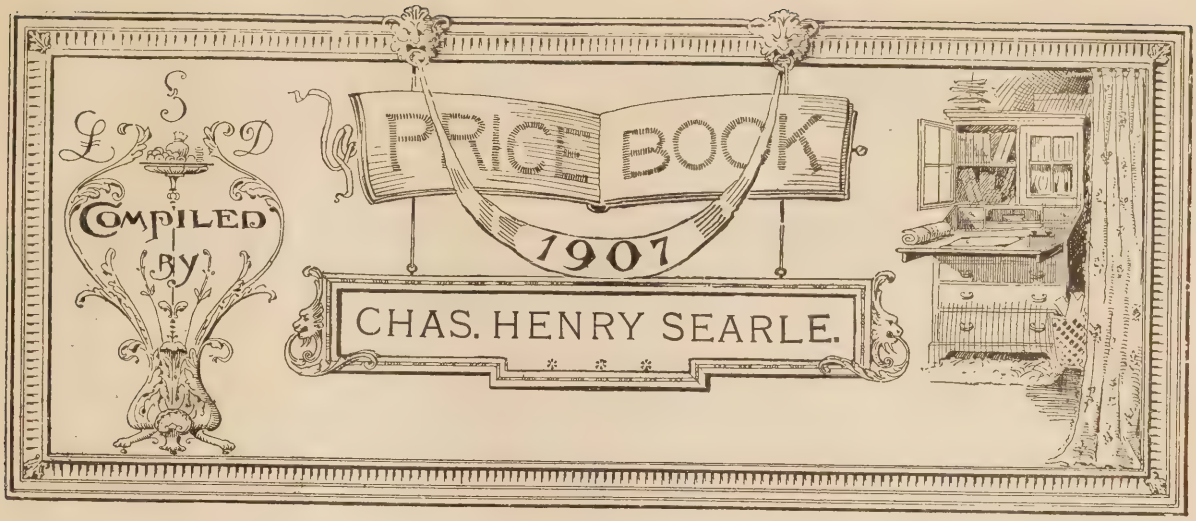

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		s.	d.
Well-burnt clay ballast ...	...Per yard cube	5	0
Clean pit gravel	... ,,	5	9
Thames ballast	... ,,	6	3
Clean sharp pit sand ...	... ,,	7	3
Thames sand	... ,,	7	3
Washing sand add. ...	... ,,	1	6
Chalk or flare lime ...	... ,,	11	6
Do. do.	... Per bushel	0	10
Grey stone lime in lump ...	...Per yard cube	12	6
Do. do.	... Per bushel	1	0
Do. do. ground ...	...Per yard cube	13	6
Do. do. do. ...	... Per bushel	1	2
Blue lias lime in lump ...	... Per ton	22	6
Do. do.	... Per bushel	1	0
Do. do. ground ...	... Per ton	26	0
Do. do. do. ...	... Per bushel	1	2
Portland cement	... Per cental	1	9
Do. do.	... Per bushel	2	3
Do. do.	... Per ton	31	0
Roman cement	... Per bushel	1	6
Do. do.	... Per ton	34	0
Cement compo	... Per hod	1	6
Place bricks	... Per M.	27	0
Grizzles	... ,,	30	0
Grey Stocks	... ,,	33	0
Picked Stocks for facings ...	... ,,	52	6
Malm Paviors	... ,,	80	0
Malm Seconds	... ,,	80	0
Best Malms	... ,,	90	0
Gault-pressed bricks ...	... ,,	70	0
Staffordshire red pressed bricks	... ,,	60	0

CONCRETER & BRICKLAYER (*continued*) —

		s.	d.
Staffordshire blue common bricks ...	Per M.	62	0
Do. do. best	,,	82	0
Suffolk white or red bricks	,,	90	0
Do. do. rubbers	,,	140	0

DRAIN PIPES—

(Lambeth list prices at Warehouse.)

Glazed stoneware drain-pipes with socket joints

			s.	d.
2 in. diameter, 2 ft. lengths		Per ft. lin.	0	4½
3	Do. do.	,,	0	4½
4	Do. 2 ft. and 2 ft. 6 in. lengths	,,	0	6
6	Do. ,, do.	,,	0	9
9	Do. ,, do.	,,	1	3
12	Do. ,, do.	,,	2	1½
15	Do. ,, do.	,,	3	6
18	Do. ,, do.	,,	5	3
21	Do. 2 ft. 6 in. lengths	,,	8	0
24	Do. do.	,,	10	6

Bends are charged as two feet of pipe with 50 per cent. added.

Ditto with inspection sockets—double price.

Taper bends are charged as five feet of straight pipe.

Single junctions and taper pipes are charged as four feet of straight pipe.

Ditto with inspection eye, same price as double junctions.

Double junctions are charged as six feet of straight pipe.

Waller and Mason—

		s.	d.
Hassock stone for wall interiors	Per yard cube	14	0
Kentish rag stone for facings	Per ton	10	0
Bath stone, including cartage and waste	Per foot cube	3	0
Portland stone do. do.	,,	3	9
Hard York stone	,,	4	3

Carpenter—

Fir sawn to scantlings	Per foot cube	2	6
Do. do. 2½ in. × 3½ in.	Per foot lin.	0	2¼
Do. do. 2½ in. × 4½ in.	,,	0	2
Do. do. 2½ in. × 5½ in.	,,	0	3
Do. do. 2½ in. × 7 in.	,,	0	3½
Do. do. 2½ in. × 9 in.	,,	0	4
Do. do. 2½ in. × 11 in.	,,	0	5½
Do. do. 3 in. × 3½ in.	,,	0	2
Do. do. 3 in. × 4½ in.	,,	0	2½
Do. do. 3 in. × 5½ in.	,,	0	3¼
Do. do. 3 in. × 7 in.	,,	0	4
Do. do. 3 in. × 9 in.	,,	0	5
Do. do. 3 in. × 11 in.	,,	0	6½
Do. do. 4 in. × 3½ in.	,,	0	2¾
Do. do. 4 in. × 4½ in.	,,	0	3½
Do. do. 4 in. × 5½ in.	,,	0	4½
Do. do. 4 in. × 7 in.	,,	0	5½
Do. do. 4 in. × 9 in.	,,	0	7½
Do. do. 4 in. × 11 in.	,,	0	9
Sarking felt	Per yard sup.	0	1
Asphalted roofing felt	,,	0	1½
Dry hair felt	,,	0	1½
Fibrous asphalte or foundation felt	Per foot sup.	0	1½

Joiner—

Deal, best white or yellow, 1 in. thick	Per foot sup.	0	4
Pine, best yellow do.	,,	0	4
Pitch Pine do.	,,	0	5
Oak, English do.	,,	0	9
Teak do.	,,	0	10
Walnut, American do.	,,	0	10
Do. Italian do.	,,	1	3
Mahogany, Honduras do.	,,	1	0
Do. Cuba do.	,,	1	6
Do. St. Domingo do.	,, from	2	0
Glue	Per lb.	0	10
Cut nails	,,	0	4
Do. in larger quantities	Per cwt.	21	0
Glass paper, assorted	Per quire	1	0

Slater and Tiler—

Slating battens	Per bundle	2	0
Laths for tiling, plain deal	,,	3	0
Do. oak	,,	5	0
Zinc nails	Per lb.	0	8
Composition nails	,,	0	7
Copper do.	,,	1	3
Bangor slates, Ladies	Per M (of 1,200)	160	0
Do. Countess	,,	286	0
Do. Duchess	,,	380	0
Plain red Broseley tiles	,,	55	0
Do. do. halves	,,	55	0
Do. do. tile-and-half	,,	80	0
Pan tiles	,,	75	0
Hip and valley tiles to suit pitch	Per No.	0	5
Ridge tiles, plain red	Per foot lin.	0	5
Do. blue	,,	0	5
Ridge roll tiles	,,	0	7

Founder and Smith—

Sash Weights, stock sizes	Per cwt.	8	6
Do. purpose cast	,,	10	6
Wrought Iron bar, square	,,	13	6
Do. round	,,	13	6

Founder & Smith (*continued*)—

		s.	d.
Do. galvanized ties for hollow walls	Per cwt.	25	0
Cramps	,,	18	0
Do. galvanized	,,	25	0
Eaves guttering, half round 3 in.	Per yard lin.	0	7
Do. do. 4 in.	,,	0	9
Do. do. 5 in.	,,	1	0
Do. do. 6 in.	,,	1	4
Do. ogee 4 in.	,,	0	11
Do. do. 5 in.	,,	1	2
Do. do. 6 in.	,,	1	5
Nozzle pieces and angles, 4 in.	Per No.	1	2
Do. do. 5 in.	,,	1	5
Rain pipes, 2 in. diameter	Per yard lin.	0	11
Do. 2½ in. do.	,,	1	0
Do. 3 in. do.	,,	1	3
Do. 3½ in. do.	,,	1	6
Do. 4 in. do.	,,	1	8
Do. 5 in. do.	,,	2	9
Do. 6 in. do.	,,	3	6
Bolts and nuts for gutters	Per doz.	0	6
Pipe nails	,,	0	5
Rain pipe heads, 2 in. diameter pipes	Per No.	1	2
Do. 2½ in. do.	,,	1	4
Do. 3 in. do.	,,	1	6
Do. 3½ in. do.	,,	1	9
Do. 4 in. do.	,,	2	2
Do. 5 in. do.	,,	3	6
Do. 6 in. do.	,,	4	6

Plinth bends approximately the same price as heads.

Shoes, say two-thirds the price of heads according to the diameter.

Galvanized work double the above prices.

Plumber—

Milled lead in sheets	Per cwt.	25	0
Lead water pipe	,,	25	6
Do. soil pipe	,,	27	6
Red lead cement	Per lb.	0	6
Iron do.	,,	0	6
Iron wall hooks	,,	0	3
Do. pipe do.	,,	0	3
Clout nails	,,	0	5
Copper nails	,,	1	3
Plumbers' solder	,,	0	10
Fine do.	,,	1	2
Copper wire	,,	1	6

Zinc Worker—

Roofing zinc, best V.M.	Per cwt.	37	0
Roll capping, round or square	,,	44	0
Zinc tubing	,,	46	0
Corrugated zinc	,,	39	0
Zinc fretwork	Per lb.	1	0
Zinc nails	,,	0	8
Zinc tacks	,,	0	10
Soft or fine solder	,,	1	2
Blowpipe ditto, in strips	,,	1	6
Pipe hooks	,,	0	5
Bell-tubing	,,	0	6

Plasterer—

Laths, single	Per bundle	1	9
Do., lath-and-half	,,	2	3
Do., double	,,	3	0
Putty lime	Per hod	1	3
Course stuff	Per bag	0	8
Size	Per lb.	0	2
Double ditto	,,	0	3
Whiting, lump or balls	Per ton	40	0

N.B. A mistake has been made in the paging at this stage, but nothing is missing in the way of information.

PLASTERER (*continued*)—

		s.	d.
Distêmper	Per pail	1	3
Cow-hair, best long	Per cwt.	10	0
Plaster of Paris, coarse	Per ton	40	0
Do., fine	,,	45	0
Do., superfine ...	,,	50	0
Keene's cement, course	,,	60	0
Do., fine	,,	65	0
Parian cement, coarse	,,	60	0
Do., fine	,,	65	0
Martin's cement...	,,	80	0
Fibrous plaster slabs (damp) ...	Per yard sup.	0	10
Do. do. (dry) ...	,,	1	0
Plaster wired fireproof slab ...	,,	1	2
Fireproof cornices, at from ...	Per foot sup.	1	2
Fibrous do. do.	,,	0	7
Silicate cotton, 1 in. thick ...	,,	0	1

GLAZIER (Tariff Prices at Warehouse)—

		s.	d.
15 oz. British sheet glass, average sizes, thirds quality ...	Per foot sup	0	3½
Do. do. seconds ...	,,	0	5½
Do. do. best glazing ...	,,	0	9
Do. do. best picture quality	,,	1	5
21 oz. do. thirds ...	,,	0	5½
Do. do. seconds ...	,,	0	11
Do. do. best glazing ...	,,	1	7
Do. do. best picture ...	,,	2	2
26 oz. do. thirds ...	,,	0	7
Do. do. seconds ...	,,	1	0
Do. do. best	,,	1	10
32 oz. do. thirds ...	,,	1	2
Do. do. seconds ...	,,	1	6
Do. do. best	,,	2	0

GLAZIER (*continued*)—

		s.	d.
36 oz. British sheet glass, average sizes, thirds quality ...	Per foot sup.	1	6
Do. do. seconds ...	,,	2	0
Do. do. best	,,	2	4
42 oz. do. thirds ...	,,	2	0
Do. do. seconds ...	,,	2	6
Do. do. best	,,	3	3
Fluted glass, extra	,,	0	3
Ground do. do.	,,	0	2
Matted do. do.	,,	0	2
Hartley's glass, ⅛ in. thick ...	,,	0	4
Do. do. ¼ in. thick ...	,,	0	7
Rough cast plate, ½ in. thick ...	,,	1	0
Do. do. ¾ in. thick ..	,,	3	3
Do. do. 1 in. thick ...	,,	4	0

PAINTER—

		s.	d.
Linseed oil putty	Per cwt.	7	6
Hard stopping	Per lb.	0	6
Pumice stone	,,	0	5
White lead, ground in oil	,,	0	5
Pigments, various	,,	0	7
Red lead	,,	0	4
Lamp-black	,,	0	6
Patent knotting	Per gallon	10	0
Linseed oil	,,	2	3
Do. boiled	,,	2	5
Turpentine	,,	4	2
Stains, various	,,	10	0
Brunswick black varnish	,,	9	0
Oak varnish	,,	10	0
Copal do.	,,	11	0
French polish	,,	11	0
Gold size...	,,	9	0
Dryers	Per cwt.	25	0
Do.	Per lb.	0	4

SECTION 2.

SCHEDULE OF WAGES.

INCLUDING PROFIT.

		s.	d.
Excavator	Per hour	0	9
Do. working in water	,,	0	11
Scaffolder	,,	0	9
Bricklayer	,,	1	0½
Do. labourer	,,	0	8½
Marble Mason	,,	1	2
Mason	,,	1	0½
Do. labourer	,,	0	8½
Do. lad	,,	0	5
Carpenter or Joiner	,,	1	0½
Do. do. labourer	,,	0	8½
Do. do. lad	,,	0	5½
Tiler	,,	1	0½
Do. labourer	,,	0	8½
Slater	,,	1	1
Do. labourer	,,	0	9
Slate Mason	,,	1	2
Do. labourer	,,	0	9
Do. boy	,,	0	6
Engineer	,,	1	2
Smith	,,	1	1

		s.	d.
Smith, assistant	Per hour	0	8½
Plumber	,,	1	3
Do. and mate	,,	2	0
Zincworker	,,	1	1½
Do. assistant...	,,	0	8½
Gasfitter	,,	1	0
Do. assistant	,,	0	8¼
Do. boy...	,,	0	6
Bellhanger	,,	0	11
Do. assistant...	,,	0	7½
Plasterer's Modeller	,,	1	2½
Plasterer	,,	1	0½
Do. labourer	,,	0	8
Do. hawkboy	,,	0	4½
Glazier	,,	0	11
Painter	,,	0	11½
Polisher	,,	0	11½
Paperhanger	,,	0	11
Gilder	,,	1	1
Scourer	,,	0	7

SECTION 3.

SCHEDULE OF MEASURED WORKS.

EXCAVATOR

		s.	d.
Digging in common soils not exceeding one stage (6 ft.) in depth, and throwing out	Per yard cube	0	10
Do. not exceeding two stages (12 ft.) and do.	,,	1	1
Do. not exceeding three stages (18 ft.) and do.	,,	1	4
Digging in gravel or stiff clay, not exceeding one stage (6 ft.) in depth, and throwing out	,,	1	6
Do. not exceeding twostages (12 ft.) and do.	,,	1	9
Do. not exceeding three stages (18 ft.) and do.	,,	2	0
Digging and throwing out from surface trenches, add to previous items ...	,,	0	2
Do. and do., from basement trenches, add	,,	0	4
Levelling and ramming beds of trenches, add	,,	0	1
Filling in and ramming to walls as works advance	,,	0	3
Basketing out ground, add	,,	0	8
Filling into barrows and wheeling one run of 18 yards	,,	0	4
For each additional run of 18 yards add	,,	0	3
Filling into carts	,,	0	6
Carting, not exceeding one mile, and shooting	,,	2	6
For each additional mile, add	,,	1	0
(If the shoot has to be paid for, add charge for same)			
Digging for circular cesspools and tanks, and throwing out	,,	1	9
Digging from surface of site not exceeding 12 in. in depth	Per yard sup.	0	5
Spreading and levelling ground ...	,,	0	8
Planking and strutting to sides of "body digging" measured net	Per foot sup.	0	2
Strutting and waling to sides of trenches not exceeding 2 ft. 6 in. wide (one side measured for two) for each foot in depth	Per foot lin.	0	1
Do. do. to do., exceeding 2 ft. 6 in. wide...	,,	0	1½
Bed of hard dry rubbish, 4 in. thick, and filling in, levelling and ramming ...	Per yard sup.	0	6
Do. 6 in. thick, and do.	,,	0	8
Do. 12 in. thick, and do.	,,	1	0
Clay tempered and laid over vaults 6 in. deep and puddled	,,	3	0
Soiling slopes of embankments and cuttings	,,	0	7½
Excavating ditch and forming bank for quickset	Per yard lin.	0	8
Planting quickset labour only... ...	,,	6	2½

DRAINS.

Removing, baling and pumping rain, spring, or other water that may have come into or upon the foundations during progress, together with any mud or soil, charge "day-work" as arising.

Any work to old drains or watercourses in reinstating where disturbed, and leaving in working order, or if disused, emptying and filling up, "day-work" as before.

Stopping up disused inlets into drains and sewers, with brickwork in cement, charge "day-work."

		s.	d.
4 in. glazed stoneware drain pipe with socket joints set in cement, and laying to current, including digging not exceeding 3 ft. deep, filling in and ramming ground...	Per foot lin.	1	0
6 in. do. do. do.	,,	1	3
9 in. do. do. do.	,,	1	10
12 in. stoneware drain pipe and setting as before, but with the digging and filling in separately measured ...	,,	2	1½
15 in. Do. do. do.	,,	3	6
18 in. Do. do. do.	,,	5	3
Extra for 4 in. bends	Per No.	0	6
Do. 6 in. do.	,,	0	9
Do. 9 in. do.	,,	1	3
Do. 12 in. do.	,,	2	1½
Do. 15 in. do.	,,	3	6
Do. 18 in. do.	,,	5	3
Do. 4 in. single junctions ...	,,	1	0
Do. 6 in. do.	,,	1	6
Do. 9 in. do.	,,	2	6
Do. 12 in. do.	,,	4	3
Do. 15 in. do.	,,	7	0
Do. 18 in. do.	,,	10	6
Do. 4 in. double junctions ...	,,	2	0
Do. 6 in. do.	,,	3	0
Do. 9 in. do.	,,	5	0
Do. 12 in. do.	,,	8	6
Do. 15 in. do.	,,	14	0
Do. 18 in. do.	,,	20	6
Bedding and covering 3 in. pipe in and with Portland cement concrete ...	Per foot lin.	0	8
Do. 4 in. do.	,,	0	10
Do. 6 in. do.	,,	1	0
Do. 9 in. do.	,,	1	8
Do. 12 in. do.	,,	2	6
4 in. syphon trap	Per No.	3	6
6 in. do.	,,	6	0
9 in. do.	,,	10	0
12 in. do.	,,	18	0
Do. with extra inlet, add	,,	1	0
Glazed stoneware gully trap, 12 in. × 12 in., with 6 in. cast iron grating, inlet and outlet connected with drain pipe and fixing complete	,,	16	0
Galvanised swing flap trap and frame for 9 in. pipe and fixing	Per No.	15	0
Brick seating in cement for w.c. pan, with 6 in. stoneware syphon trap and connection made good to drain ...	,,		

Brick manholes with digging, foundations, cement rendering, iron steps built in, covers, &c. (according to size and detail as per measurement of items).

CONCRETER.

		s.	d.
Concrete composed of broken brick or stone chippings and ground lime, including wheeling and filling-in to foundations and levelling on top for footings (gauged 6 to 1)	Per yd. cube	9	0
Do. of pit ballast and ground lime, and do.	"	10	6
Do. composed of Thames ballast and Portland cement and do.	"	15	6
Do. composed of gravel, burnt ballast, and blue lias lime in the proportion of two of gravel, four of ballast, and one of lime and do....	"	12	6
If thrown into foundations from a stage, add	"	0	6
Grey lime surface concrete as described, 6 in. thick, including levelling ground	Per yd. sup.	2	0
Cement concrete as above described, and 6 in. thick, and laying to surfaces and levelling	"	3	0
Do. do. 9 in. thick and do.	"	4	0
Portland cement concrete 6 in. thick, and filling in between web of iron girders, and including a plain tile bed for same	Per ft. sup.	0	9
Timbering and boarding for building concrete wall (use and waste) ...	"	0	3

BRICKLAYER.

Bricks sound, hard, square, and well-burnt, and where not otherwise described are grey stocks.

Sand, clean sharp coarse grit, and washed where used with cement.

Mortar—unless otherwise stated—composed of sand and fresh burnt grey stone lime, in the proportion of three of sand to one of lime, used whilst fresh and hot, and well flushed in every course.

Cement mortar of sand and Portland cement in the proportion of three of sand to one of cement.

Brickwork.

For every shilling of variation in the price per thousand of the bricks—(the prices following being calculated at the rate of 35 shillings per thousand for grey stocks) add or deduct as the case may be, at the rate of five shillings per rod.

An addition must be made of from ten to twenty per cent. for work done in small quantities or difficult positions.

Reduced stock brickwork laid dry in cesspools, wells, &c.	Per rod sup.	255	0
Reduced brickwork of grizzles and lime mortar	"	260	0
Do. half grizzles and half stocks and do.	"	280	0
Do. all stocks and do.	"	300	0
Do. of Gault bricks and do. ...	"	340	0
Reduced stock brickwork, extra only in blue lias mortar	"	2	6
Do. do. extra only in cement	"	50	0
Do. do. do. in underpinning	"	80	0
Reduced brickwork with blue Staffordshire bricks in cement in piers ...	"	620	0

Bricklayer (*continued*)—

		s.	d.
Half brick walls in mortar	Per ft. sup.	0	6
Do. in cement	"	0	7
Do. do. including cutting away in existing wall and bonding new work into same	"	0	8
Half brick dry areas in mortar, including headers to half brick space as requisite	"	0	9
One brick walls in mortar worked fair both sides	"	1	0
Extra only to building hollow wall with cavity 2½in. in width, including iron galvanised ties, one to every yard superficial	"	0	3

Damp Courses.

Damp course of tar, lime and sand ..	Per ft. sup.	0	2
Do. do. of fibrous asphalte in slabs..	"	0	2
Do. do. of British asphalte ½in. thick	"	0	4
Do. do. of two courses of stout slates in cement	"	0	6
Do. do. of Seyssel asphalte ½in. thick	"	0	8
Do. do. applied vertically	"	1	0
Damp course of glazed earthenware 3in. thick	"	0	9
Pointing to edge of slate or asphalte damp course	Per ft. lin.	0	2

Facings.

Extra only, beyond grey stock brickwork, to face built battering	Per ft. sup.	0	1
Do. to circular face	"	0	2
Do. to internal fair face and struck joint for lime whiting	"	0	1
Do. to facings with stocks selected from stack	"	0	0½
Do. with picked stocks	"	0	1
Do. with bright yellow stocks ..	"	0	2
Do. with malm seconds	"	0	5
Do. with best malms..	"	0	7
Do. with malm paviors	"	0	6
Do. with ordinary red brick ..	"	0	1
Do. with best do.	"	0	3
Do. with best white Suffolks ..	"	0	5
Do. with best red do...	"	0	5
Do. with Suffolk rubbers (not gauged work)	"	0	10
Do. with do. rubbed, gauged and set in putty	"	2	6
Do. do. do. reduced to five courses to the foot	"	2	9
Extra to facings with Kent wire cut Gaults	"	0	3
Do. with best pressed ditto	"	0	4
Do. with best pressed Loughborough red	"	0	5
Do. do. white do...	"	0	5
Do. with Beart's perforated seconds..	"	0	2
Do. do. best	"	0	3
Do. do. solid handmade	"	0	3
Extra to facings with Luton purple bricks	"	0	3
Do. with Fareham red brick		0	6
Extra to facings with Fareham red brick, thin, rising five courses to the foot ..	Per ft. sup.	0	8
Extra to facings with Staffordshire blue pressed brick	"	0	5
Do. of white glazed brick, equal quantity of headers and stretchers ..	"	1	6

Pointing.

Brickwork coloured and drawn	Per ft. sup	0	1

POINTING (*continued*)—

		s.	d
Flat joint pointing in ash mortar, including scaffold, raking out decayed mortar, washing and staining brickwork ...	Per ft. sup.	0	3½
Do. do. do. in cement	,,	0	4½
Do. do. do. to chimney shafts	,,	0	5
Tuck pointing to old fronts and do. do.	,,	0	5
Cut joint pointing to new work	,,	0	2
Tuck pointing to do.	,,	0	3
Raking out cement joints and pointing with flat joint in white mortar ...	,,	0	3
Portland cement weathering	,,	0	4
Lime-whiting one coat	Per yd. sup.	0	1
Do. two coats	,,	0	2
Dinging	,,	0	9
Portland cement rendering	,,	2	3

ARCHES.

Extra only on reduced brickwork to do. in rough arches inverts and vaultings (the rough cuttings separately measured)	Per rod sup.	20	0
Half brick trimmer and vault arches in cement	Per ft. sup.	0	11
Extra only upon brickwork to fair arches of grey stocks, in half brick rings, set and pointed in cement to segmental apertures..	,,	1	2
Do. all as last but to circular ditto ..	,,	1	5
Do. to fair arches of red brick in rings and set and pointed as before to segmental apertures	,,	1	6
Do. all as last but to circular do. ..	,,	1	8
Extra to axed arches in malm seconds set in cement, the joints raked out and tuck pointed to segmental apertures..	,,	1	4
Do. do. do. but to circular apertures	,,	1	6
Extra to fair axed arches in red brick with Bath stone voussoirs introduced, set in cement, the joints raked out and neatly pointed to match facings, to segmental openings	,,	1	6
Do. all as last but to circular openings	,,	1	9
Extra to fair rubbed and gauged arches in best red rubbers and set in putty to segmental apertures	,,	2	9
Do. all as last but to circular do. ..	,,	3	0
Do. do. but to elliptical or Gothic do	,,	3	3

LABOUR ONLY.

Rough cutting to brickwork	Per ft. sup.	0	2
Do. do. circular	,,	0	2½
Fair cut splay in grey stock facing as weathering	,,	0	3
Level and prepare old walls for raising ..	,,	0	1
Draw and tooth old wall jambs	,,	0	3
Extra to forming jambs of doorway with straight joint for bricking up	,,	0	1
Clean off soffit of vaulting after removal of centering..	,,	0	1
Rough cut squint quoin	Per ft. lin.	0	3
Do. birdsmouth	,,	0	3
Fair cutting in grey stock facing	,,	0	3
Do. circular	,,	0	4
Do. in malm or red brick facing..	,,	0	4
Do. do. circular	,,	0	6
Labour to 2 in. cut and rubbed roll angle to red brick arch, segmental ..	Per ft. lin.	0	3
Do. do. do. but circular ..	,,	0	4
Roll angle, all as last but 3 in. diameter ..	,,	0	4
Points to groined arches in stocks ..	,,	0	8
Do. do. in malms	,,	0	10
Extra labour only in projecting courses as chimney cap	,,	0	1
Fair cutting as 1½ in. fluting	,,	0	3
Cut and rubbed splay 2¼ in. wide	,,	0	3
Cut and rubbed moulded course 3 in. high	,,	0	4

LABOUR ONLY (*continued*)—

	Per ft. lin.	s.	d.
Cut and moulded cornice 9 in. high ..	,,	1	2
Do. do. on rake	,,	1	4
Extra to 1½ in. diameter staff-beaded angle in white brick facing	,,	0	6
Do. do. circular	,,	0	8
Extra to chamfered brick in internal facings to sill	,,	0	4
Fair chamfer 3 in. wide	,,	0	3
Extra labour cutting and building in cast iron stancheon 11 ft. long	Per No.	3	6
Fixing only iron corbels and making good facing	,,	0	6
Building in iron plates and ends of rods..	,,	0	2
Perforations through 9 in. wall for pipe and make good facings	,,	0	6
Do. do. 14 in. wall and do.	,,	0	9
Do. do. 18 in. wall and do.	,,	1	0
Building in and making good to ends of iron bar	,,	0	4
Do. of iron joists	,,	0	3
Do. large do.	,,	0	6
Cut terminations in red brick, 9 in. × 9 in. and 2¼ in. projection	,,	1	6
Fair sinkings for rain pipes in brick strings 18 in. high	,,	0	6
Angles to 3 in. moulded courses	,,	0	2
Stoppings to do.	,,	0	1
Angles to 9 in. do.	,,	0	6

LABOUR WITH CEMENT, ETC.

Chase form and parget	Per ft. sup.	0	6
Do. in old wall for new and do. ..	,,	1	0
Pin up with slates in cement to openings filled in	,,	0	4
Rake out, wedge in 1 in., and point to roof flashings in cement	Per ft. lin.	0	1
Do. do. stepped	,,	0	2
Bedding wood sill in cement	,,	0	1
Do. large do.	,,	0	1½
Chase form and parget for pipes	,,	0	6
Cut and pin 1 in. slate in cement	,,	0	2
Do. do. 2½ in. landing ..	,,	0	2½
Do. do. 4 in. do. ..	,,	0	4
Do. do. 5 in. do. ..	,,	0	5
Chase form and parget in fair faced brickwork for wall pieces and making good	,,	0	9
Cut and pin ends of sills, steps, treads, risers, winders, etc., in cement ..	Per No.	0	9
Wedge up window and door frames, bed in lime and hair, and point round in cement	,,	1	0
Do. do. large do.	,,	1	6
Do. do. Venetian do.	,,	2	0
Cut and pin ends of handrail, secured to wood blocks and make good facings..	,,	1	3
Cutting out in old 18 in. wall for new opening 3 ft. × 7 ft., form reveal for frame, and make good all round with brickwork in cement, including to facings on both sides		21	6

SUNDRY.

Brick in cement riser, 3 in. high	Per ft. lin.	0	2
Iron bond No. 15 gauge, 1½ in. wide, and tarred sanded and laid in walls ..	,,	0	1
Lime and hair filleting	,,	0	1½
Cement do.	,,	0	2
Extra to tumbling in courses to top of dry areas	,,	0	1

SUNDRY *continued*)—

	Per ft. lin.	s.	d.
Plain tile front to air flues, 14 in. wide, and set in cement	"	1	2
Extra only to flush window sills in hard stocks, 4½ in. high, with chamfered edge and set in cement	"	0	3
Proper brick shoot to coal cellar, with stone landing, rebated perforation, illuminating coal plate, chain hook and fastening complete	Per No	25	0

BRICKNOGGING.

Bricknogging with place bricks on edge in mortar (the quarters not deducted)	Per yd. sup.	2	6
Do. but with stocks do. do.	"	3	0
Do. do. do. in cement	"	3	9
Do. with place bricks, flat in mortar	"	3	6
Do. but with stocks do. do.	"	4	0
Do. do. do. in cement	"	4	9

COPINGS.

12 in. tile coping set in cement	Per ft. lin.	0	8
Hard brick on edge coping to 9 in. wall, and double tile creasing in cement ..	"	0	9
Do. to 14 in. wall, and do. ..	"	0	11
Hard stock brick on edge coping to 9 in. wall, and salient course on each side, 2¼ in. projection, all in cement ..	"	0	8
Do. do. and do. but to 14. in. wall, and do. do.	"	0	10
Red brick on edge coping, and salient course, to 14 in. wall, all as above ..	"	1	0
Red brick on edge coping for 14 in. wall, with double splayed brick, 4½ in. high, and setting and pointing in cement ..	"	1	0

FLUE WORK.

Stoneware fire-piping, 9 in. diameter ..	Per ft. lin.	1	6
Do. do. 12 in. do. ..	"	2	0
Stoneware, unglazed, circular fire-piping, 10 in. diameter, with socketed joints jointed and set in fireclay, and building into brick wall, including rough cutting round same	"	2	0
Building in only to chimney bars	Per No.	0	4
Parget and core flues	"	1	6
Rough render chimney backs	"	1	6
Perforation through 18 in. wall for flue 14 in. × 9 in., and making good to new flue	"	1	0
9 in. drain pipes, and setting as chimney pots	"	2	0
Redware round full-size chimney moulds of approved pattern, and bedded and flaunched in cement	"	3	6
Redware do. 2 ft. high, and setting in mortar	"	2	0
Do. 3 ft. do. ..	"	5	0
Do. 4 ft. do. ..	"	6	0
Do. 6 ft. do. ..	"	8	6
Do. 2 ft. high, and setting in cement	"	3	0
Do. 3 ft. do. ..	"	6	6
Do. 4 ft. do. ..	"	8	0
Do. 6 ft. do. ..	"	10	6
Terra cotta chimney pots, 2 ft. high, and set in cement	"	4	0
Do. 2 ft. 6 in. high, do. ..	"	5	0
Do. 3 ft. 0 in. high, do. ..	"	7	0

FITTINGS.

9 in. × 3 in. air bricks, and building in ..	Per No.	0	9
Glazed stoneware perforated air bricks, 9 in. × 6 in., and bedding in walls where directed, including aperture through wall, and covering to same	"	1	0

FITTINGS (*continued*)—

	Per No.	s.	d
Glazed stoneware kitchen sink, 2 ft. × 1 ft. 5 in., and 3½ in. deep	"	9	0
Do. 4 ft. × 2 ft., and 5½ in. deep	"	25	0
Angular sink, 2 ft. each way, 3 in. deep ..	"	7	6
White glazed porcelain sink, 2 ft. × 1 ft. 6 in., and 4½ in. deep ..	"	12	6
Do. 3 ft. × 2 ft., and do	"	25	0
Do. 4 ft. × 2 ft., and do.	"	35	0
Housemaid's sink, 2 ft. 8 in. × 1 ft. 6 in., and 9½ in. deep	"	30	0
Butler's white glazed sink, 1 ft. 10 in. × 1 ft. 3 in. × 8½ in.	"	26	0
Do. 2 ft. 1 in. × 1 ft. 4 in. × 10 in.	"	32	0

SETTINGS ONLY.

Materials and labour only in settings to register stoves for openings up to 30 in. wide	Per No.	7	0
Elliptic or hob stoves rendered in cement at sides	"	8	0
30 in. open range, with oven and boiler..	"	25	0
36 in. do. do. ..	"	30	0
48 in. do. do. ..	"	40	0
Close kitchener up to 48 in., including smith's attendance	"	60	0
Do. do. up to 60 in. ..	"	80	0
Do. do. up to 72 in. ..	"	110	0
Setting only to 30 gallon tea boiler, in proper firebrick work in cement, with flues, brick foundation, etc., complete	"	100	0
Copper washing copper to hold 10 gallons, and including setting in stock and firebrick work in cement and fireclay, with flue furnace work door and frame bars soot door and damper ..	"	60	0
Do. 18 gallons do. ..	"	80	0
Do. 24 do. do. ..	"	100	0

WALLER.

Rough rubble stone walling	Per yd. cube	16	6
Kentish rag stone walling	"	16	6
Do. random coursed work	"	20	0
Extra to Kentish rag facings in random rubble with one bonder to every yard sup., all good sound stones with neat cement joint	Per yd. sup.	0	9
Kentish rag wall 12 in. thick, finished fair both sides	Per ft. sup.	1	0
Extra on rag facings to Gothic arches and pointing	"	1	0
Rough cutting to rakes and splays ..	"	0	3
Do. do. circular	"	0	6
Fair cutting in Kentish rag facing ..	Per ft. lin.	0	4
Do. circular	"	0	8
Roughly squaring quoin stones	"	0	6
Ends of treads cut pinned and made good to in facings	Per No.	1	6

MASON.

All stone free from vents, flaws, sand holes, and other defects; set where requisite on its natural bed, in as large stones as are suitable, and can reasonably be obtained, and all bedded and jointed in cement.

Protect the stonework from damage or injury, and case and cover up the same during progress as may be necessary.

Clean all down at completion.

To be inclusive of all requisite moulds for working.

MASON (*continued*)—

BATH STONE.

Bath stone work is frequently priced out, stone and all labour of every kind in working and setting, and as an average of ordinary church work, may be considered as approximately worth from 6s. to 7s. per foot cube.

Bath stone of the most approved quality, and obtained from the Box Hill quarries, of the kind known as the Ground Stone.

The cubic measurements inclusive of stone and all labour of every kind in sawing, working, hoisting, and setting, also cramps, dowels, joints, plugs, &c.

Stone and labour as described in plain bands and bond stones..	Per ft. cube	6	0
Do. and do. in plain blockings, friezes, &c.	,,	6	0
Do and do. in splayed weatherings cover stones shaped angle stones and seatings for quoins	,,	6	3
Do. and do. in moulded work in cornices, strings, corbels, dressings,&c.	,,	7	0
Do. and do. in bases to columns, circular moulded corbels, &c. ..	,,	7	3
Labour to throat	Per ft. lin.	0	3
Labour to groove for sill tongue	,,	0	3
Labour to groove for 3 in. × ½ in. iron band and running with asphalte ..	,,	0	9
Mortices	Per No.	0	2
Labour to plain sinkings 2½ in. × 1½ in. in weatherings	,,	0	4
Labour only to baluster profiles worked by sinking face between same, the balusters 9 in. wide, 2 in. deep, and 3 ft. high..	,,	2	0
Stone and labour as described in corbels 9 in. on face, 15 in. long, 6 in. high, and moulded on face	,,	3	0

BRAMLEY FALL STONE.

Mortices	Per No.	0	6
Bases 1 ft. 11 in. × 1 ft. 11. in. and 9 in. high, tooled to all faces and set in cement..	,,	20	0
Do. do. 2 ft. 8 in. × 2 ft. 8 in. and 12 in. high	,,	50	0

PARK SPRING STONE.

5 in. landing rubbed one side, and hoisting and setting	Per ft. sup.	3	3
Do. do. but rubbed both sides and do.	,,	3	5
Joggle joint and lead to 5 in. landing ..	Per ft. lin.	1	4
Labour to sunk rebate 4 in. girt stopped..	,,	0	6
Labour to 5 in. rubbed edge	,,	0	6
Labour to moulded nosing 5 in. girt part stopped	,,	1	0
2½ in. × 2½ in. riser with rubbed face and fair both edges	,,	0	6
3 in. × 13½ in. treads in scantling lengths, with rubbed tops and front edges, moulded nosings, fair jointed for risers and set in cement	,,	2	9
Do. do. but rubbed all round ..	,,	3	0
4 in. × 5 in. doorsill, rubbed top fair jointed both edges and set in cement	,,	1	5
4 in. × 9 in. do. do. and do. ..	,,	2	6
4 in. × 14 in do. do. and do. ..	,,	3	11
4 in. × 18 in. do. do. and do. ..	,,	5	0
4 in. × 23 in. do. do. and do. ..	,,	5	6

MASON (*continued*)—

		s.	d.
4 in. × 9 in. capping, rubbed top fair both edges, jointed in lengths and set in cement	Per ft. lin.	2	6
6 in. × 6 in. door step, rubbed top and face weathered back jointed and set in cement..	,,	2	6
6 in. × 14 in. do. do. and do...	,,	5	0
7 in. × 13½ in. solid lower step, rubbed top and front edge back jointed with moulded nosing, fair bed and set in cement	,,	5	9
Do. do. but in scantling lengths and do.	,,	6	0
7 in. × 17 in. solid bottom step, rubbed top front edges, circular on plan to flat sweep rubbed and with moulded nosings, fair bed and set in cement scantling lengths	,,	8	6
Notchings	Per No.	0	3
Mortices	,,	0	3
Do. and lead	,,	0	4
Letting in bolt sockets and running with lead	,,	0	6
Fair sinkings 6 in. wide in angles of landings for T iron bearers	,,	0	6
Stone and all labour in working and setting double shaped and rounded end stones for lower and bottom solid steps, including returned moulded nosings and fair jointed to steps, each containing 3 ft. 9 in. cube	,,	30	0

PORTLAND STONE.

Portland Stone is sometimes dealt with in a similar manner to Bath Stone, and valued at from 10s. od. to 12s. od. per foot cube. It is better, however, to keep the stone and labour separate, measuring all labour as it appears on the surface, and pricing distinct from the stone.

Portland stone, including hoisting and setting	Per ft. cube	5	6
Do. in scantling lengths	,,	6	0
Plain beds and joints	Per ft. sup.	1	0
Plain work rubbed	,,	1	2
Sunk work rubbed	,,	2	0
Moulded work rubbed	,,	3	0
Ashlar, 4 in. on the bed face finished with tool stroke and setting	,,	2	6
Do. but with rubbed face and do. ..	,,	2	8
Do. do. 5 in. on bed and do. ..	,,	3	0
Do. do. all as last but including bond stones, three to the yard ..	,,	4	0
2 in. rubbed slabs and hearths	,,	1	6
4 in. rubbed one side landing	,,	3	0
4½ in. landing, with rubbed top and tooled soffit	,,	4	0
Do. do. but rubbed both sides ..	,,	4	2
5 in. landing with rubbed top and tooled soffit in scantling lengths	,,	4	3
Labour to back-joint	Per ft. lin.	0	2
Do. stopped sinking for rebate of step	,,	0	4
Do. rebate sunk for pavement light ..	,,	0	4
Do. 4 in. rubbed edge	,,	0	5
Do. 4½ in. joggle joint and lead.. ..	,,	1	6
Do. 5 in. fair joint..	,,	0	5
Do. 5 in. fair rubbed edge	,,	0	6
4 in. × 14 in. coping, rubbed weathered throated both edges and fair jointed..	,,	4	0
4 in. × 18 in. do. do.	,,	5	0
5 in. × 6 in. sills, rubbed sunk weathered throated and set in cement	,,	2	1
5 in. × 10 in. do. do. and do. ..	,,	3	6

MASON (*continued*,—

		s.	d.
5 in. × 14 in. do. do. and do.	Per ft. lin.	4	10
6 in. × 3 in. solid riser with rubbed face and tooled soffit and back	,,	1	3
6 in. × 12 in. solid step, rubbed top and front edge and fair bed	,,	5	0
6 in. × 14 in. do. with rubbed top and front edge and tooled soffit	,,	5	10
10 in. × 10 in. area curb, rubbed all round and fair jointed	,,	6	6
Mortices for iron cogs, dowels, etc. ..	Per No.	0	3
Do. and lead	,,	0	4
Do. and do. for newel	,,	0	6
Dovetailed mortices and filling in with and including gutta percha and screws for fixing Joiner's work to stone ..	,,	0	9
Galvanised iron cramps, mortices and lead	,,	1	6
Birdsmouth joint grooves, and running with pebbles and cement	,,	0	3
1½ in. slate dowels and double mortices ..	,,	0	8
Notchings in 2 in. slabs for chimney pieces	,,	0	3
Stone and all labour as described in springers 9 in. wide 4½ in. on bed 15 in. high	,,	3	6

YORK STONE.

1½ in. rubbed slabs and hearths	Per ft. sup.	1	6
2 in. do. do.	,,	1	8
2½ in. landing, tooled one side	,,	1	3
3 in. self-faced core and bedding in cement over iron girder, including coped edges	,,	1	2
4 in. self-faced landing	,,	1	9
4 in. tooled one side landing	,,	1	11
5 in. do. do. do.	,,	2	2
5 in. do. both sides	,,	2	4
5 in. do. do. do. in scantling sizes	,,	2	6
6 in. tooled sink	,,	4	0
7 in. do. and dished 4½ in. deep	,,	4	6
Large templates for every inch in thickness	,,	0	7
Labour to groove	Per ft. lin	0	1
Do. to back joint	,,	0	2
Do. to splay 1 in. wide part stopped ..	,,	0	2
Do. to 2½ in. tooled edge..	,,	0	2½
Do. to 2½ in. fair joint	,,	0	2
Do. to 4 in. tooled edge	,,	0	4
Do. to 5 in. rough sunk edge	,,	0	4
Do. to 5 in. fair joint	,,	0	4½
Do. to 5 in. tooled edge	,,	0	5
Joggle joint and lead to 6 in. landing ..	,,	1	5
Do. and do. to 5 in. do.	,,	1	7
2 in. × 2 in. riser, tooled both sides fair edges	,,	0	5
2 in. × 3 in. do. and do.	,,	0	6
2 in. × 4 in. do. and do.	,,	0	7
2½ in. × 3½ in. do. do. and do.	,,	0	6½
2½ in. × 12 in. tread, tooled top and edge jointed for riser and set in cement ..	,,	1	6
3 in. × 4½ in. riser, tooled all round ..	,,	0	7
3 in. × 12 in. tread do.	,,	2	1
3 in. × 14 in. sill, tooled top and edges, weathered and set in cement	,,	2	4
3 in. × 20 in. greatest width winding treads, tooled as treads..	,,	3	0
4 in. × 9 in. threshold, tooled top fair both edges	,,	1	9
4 in. × 14 in. do. do.	,,	2	11
4 in. × 18 in. do. do.	,,	3	6
4 in. × 10 in. sills, tooled sunk weathered throated and set in cement	,,	2	0
4 in. × 12 in. doorsill, tooled top and front edge weathered back-jointed and set in cement..	,,	2	6
4 in. × 14 in. do. do. and do.	,,	2	10

MASON (*continued*)—

		s.	d.
4 in. × 14 in. sills, tooled sunk weathered throated and set in cement	Per ft. lin.	2	6
6 in. × 9 in. step, tooled top and front edge	,,	3	0
6 in. × 9 in. do. as last and back-jointed..	,,	3	0
6 in. × 11 in. step, tooled all round ..	,,	3	6
6 in. × 12 in. do. tooled top and face and back-jointed	,,	3	8
6 in. × 14 in. step, tooled top and front edge	,,	4	0
7 in. × 12 in. solid bottom step, tooled top and front edge weathered back-jointed and set in cement	,,	4	0
7 in. × 20 in. solid winding step, tooled three faces, fair jointed bed	,,	7	10
Mortices	Per No.	0	3
Do. and lead	,,	0	4
Sinkings in 2½ in. pavings for gulleys ..	,,	0	3
Notchings of slabs for chimney pieces ..	,,	0	3
Do., in 2½ in. paving for iron columns	,,	0	3
Do., in do., for rain pipes	,,	0	3
Rounded corner to 6 in. sink	,,	1	3
Hole cut and rebated for grating	,,	1	2
3 in. tooled templates, 9 in. × 9 in. ..	,,	1	6
Do. 9 in. × 14 in. ..	,,	1	9
3 in. tooled dished stone, 12 in. square ..	,,	2	3
3 in. tooled sink stone, 2 ft. × 2 ft., each with rebated perforation for iron gulley	,,	8	6
3 in. tooled template, 14 in. × 14 in. ..	,,	2	6
Do. 14 in. × 36 in. ..	,,	4	6
4 in. tooled corbels, 14 in. × 9 in., and building in	,,	2	4
6 in. tooled template, 9 in. × 14 in. ..	,,	4	0
Do. 14 in. × 14 in. ..	,,	5	4
Do. 14 in. × 18 in. ..	,,	7	3
6 in. tooled base, 9 in. × 12 in., for iron standard	,,	4	0
6 in. plain rubbed bases, 9 in. × 14 in., each with one mortice for cog ..	,,	4	0
6 in. hard bases, 18 in. × 18 in., tooled to all surfaces, and each with two mortices for cogs of base plates of columns	,,	8	0
18 in. hard bases, 2 ft. 6 in. × 2 ft. 6 in., tooled to all surfaces, and each base to have four dovetailed mortices for bolts of plates	,,	72	0

CARPENTER.

All wood well seasoned, free from sap, shakes, large or loose knots, and all other defects.

Timber, Baltic yellow fir. Planks, deals, and battens, yellow Christiania.

Oak, English.

Timbers hold, when fixed, the scantlings of the full sizes specified.

No outside slabs used, nor any sapwood.

CENTERINGS.

		s.	d.
Deal rough centering to vaults	Per sqre. sup.	24	0
Do. to segmental apertures	Per ft. sup.	0	3
Do. to circular do.	,,	0	4
Do. to trimmer arches, including furring down to soffits	,,	0	4
Turning piece to 4½ in. segmental soffit ..	Per ft. lin.	0	3
Do. to semi-circular do. ..	,,	0	4
Groins measured on the line of the points	,,	0	9
Extra to sinking in centering for key stone	Per No.	0	3
Deal mould for invert to opening 6 ft. wide in wall 2 ft. 3 in. thick	,,	3	6

CARPENTER (*continued*)—		s.	d.
Deal mould for invert to opening 3 ft. 9 in. long, 5 in. rise, for back of circular recess	Per No.	1	0
Do. for semi-circular niche, 2 ft. 6 in. diameter, including dome centering for spherical head	,,	6	0
Centre and invert for circular opening in 18 in. wall, 8 ft. 3 in. external diameter half-brick reveal, 9 ft. internal diameter 1½ brick reveal	,,	10	6

CUBIC ITEMS.

Fir in lintols, wall and bond plates, ground joists and sleepers	Per ft. cube	1	6
Do. do. circular	,,	1	6
Do. in girder flitches	,,	3	0
Do. framed in roofs, floors, and partitions	,,	2	9
Do. do. circular	,,	3	9
Do. framed in roof trusses	,,	3	6

SUPERFICIAL ITEMS.

Planing to fir	Per ft. sup.	0	0½
Square and plane do.	,,	0	1
Deal rough bracketing	,,	0	2
Asphalted roofing felt and nailing to boarding joints closely butted, measured net	Per sqre. sup.	9	0
¾ in. deal rough sound boarding and double fillets (joists not deducted) ..	,,	20	0
¾ in. × 2¼ in. deal rough slate battening and nailing to gauge for Countess slating to a 3 in. lap	,,	9	0
1 in. deal rough close boarding, edges shot	,,	19	0
Do. do. do. and proper furrings	,,	23	0
1½ in. deal rough floor, edges shot ..	,,	35	0
¾ in. deal rough eaves board	Per ft. sup.	0	3
1 in. deal rough facia	,,	0	6
Do. gutter board and framed bearers	,,	0	8½
Do. valley board	,,	0	6
1½ in. deal rough pitching piece and spiking	,,	0	5½
1½ in. do. do. framed hip ..	,,	0	5½
1½ in. deal wrought and chamfered spiked pitching piece	,,	0	6
2 in. deal rough hip and ridge	,,	0	6½
Do. wrought and framed ridge ..	,,	0	7
Do. rough framed curb	,,	0	6
Do. do. do. on skew ..	,,	0	7
Do. rough rounded ridge and hips ..	,,	0	7
Do. wrought and chamfered pitching piece and spiking	,,	0	8
Do. wrought, dovetailed, and bevelled curb	,,	0	8

RUNNING ITEMS.

Labour to groove in deal	Per ft. lin.	0	0½
Do. rough chamfer	,,	0	0½
Do. rough splayed edge to ¾ in. boarding	,,	0	0½
Do. do. to 1 in. do.	,,	0	0½
Do. rough circular cutting in 2 in. ..	,,	0	1½
Raking, cutting, and waste to ¾ in. boarding	,,	0	1
Do. do. 1 in. do.	,,	0	1
Deal, rough plugging to wall	,,	0	1
Do. feather edge springer	,,	0	1
Do. tilting fillet	,,	0	1
Do. skirting fillet	,,	0	1
Do. dovetailed bearers	,,	0	1½
Deal, rough, stout herring bone strutting to 7 in. joists	,,	0	4
Do. do. to 9 in. do.	,,	0	5
Do. do. to 11 in. do.	,,	0	6

CARPENTER (*continued*)—		s.	d.
Deal, rough bracketing against wood, flitches of iron girders for plaster cornice, 12 in. girt, including the requisite lathing	Per ft. lin.	0	3
Do. do. 15 in. girt, and do.	,,	0	4
Do. do. 30 in. girt, and do.	,,	0	9
¾ in. deal, rough, grooved skirting grounds	,,	0	1
¾ in. × 2¼ in. deal, rough backings plugged to wall	,,	0	1
1 in. × 2 in. deal, rough spiked fillet ..	,,	0	1
Do. do. circular and scribed ..	,,	0	2
1 in. × 5 in. deal, rough facia	,,	0	2½
1 in. × 6 in. do. do.	,,	0	3
1½ in. × 1½ in. rough chamfered fillet as skirting	,,	0	1½
1½ in. × 2½ in. deal, rough spiked fillet ..	,,	0	2
2 in. deal, rebated drip	,,	0	1
2 in. deal, rounded roll	,,	0	2½

NUMBERS.

Fixing only to iron screw bolts	Per No.	0	2
Do. the heads let in flush	,,	0	3
Do. sets of wedges, keys and cotters	,,	0	8
Sinkings in boarding for soldered dots ..	,,	0	1
Labour to ends of 5 in. × 12 in. fir girder framed on splay	,,	0	3
Halved and lapped joints on cant to 5 in. × 4 in.	,,	0	5
Do. do. do. to 12 in. × 6 in.	,,	0	9
Labour notching, 12 in. girt in 3 in. deal ..	,,	0	3
Do. circular perforations, 6 in. diameter, in 1½ in. deal	,,	0	3
Do. do. 12 in. do.	,,	0	6
Do. shaping ends of hammer beams 10 in. × 6 in. to pattern	,,	2	6
Double felt seatings, cut to sizes, small ..	,,	0	2
Do. large	,,	0	6
Sets of deal rough blockings at back of mouldings	,,	1	0
Sets of deal dovetailed backings	,,	1	6
Deal strong dovetailed boxes, 12 in. × 12 in., as cesspools, including countersunk hole for outlet	,,	2	6
2 in. deal short rolls	,,	0	3
2 in. deal short rebated drips	,,	0	2
2 in. fir rough cleats, 15 in. long	,,	1	6
Extra to angle brackets to bracketing 47 in. girt	,,	1	6
Ends of timbers bedded in shoes and heads in white lead	,,	1	0
Extra to trimming floor (joists 2½ in. × 6 in.) for circular staircase, 3 ft. 6 in. diameter, including blocking for circular well, forming margin to flooring, with rounded nosing and sunk staff-beaded apron lining	,,	20	0
Extra to trimming for, and forming in quarter partition, trapway 2 ft. × 1 ft. 6 in. for access to cistern, including beaded linings, stop chamfered one panel trap, hinges and fastenings ..	,,	10	0

JOINER

The wood as before described.

Thicknesses of Joiners' work are understood as the nominal thicknesses.

All glued-joints cross-tongued.

DEAL, CUBIC.

Wrought framed and stop chamfered ...	Per ft. cube	5	3
Do. all as last, and rebated and beaded	,,	5	9
Proper door case	,,	5	6
Do. do. circular	,,	11	0

JOINER (*continued*)—

DEAL IN THICKNESSES.

		s.	d.
½ in. rough ledged flaps hung folding ..	Per ft. sup.	0	6
¾ in. wrought one side plain linings ..	,,	0	4
Do. do. cross-tongued.. ..	,,	0	4¼
Do. do. do. circular	,,	0	9
Do. do. do. and blockings plugged to wall	,,	0	7
¾ in. wrought both sides, matched and V-jointed boarding, in half-board widths	,,	0	4½
in wrought one side	,,	0	5
Do. do. and blockings ..	,,	0	5¼
Do. do. and grooved grounds	,,	0	5½
Do. and cross-tongued linings ..	,,	0	5½
Do. and tongued soffit	,,	0	6
Do. do. and staffbeaded do.	,,	0	6
Do. cross-tongued top and bearers, glued and blocked	,,	0	7
1 in. wrought both sides, matched and V-jointed boarding in half-board widths and backings	,,	0	8
Do. do. and bearers	,,	0	8¼
1 in. wrought mitre clamped flap and beaded frame	,,	1	2
1¼ in. plain lining	,,	0	7½
Do. shelves, with strong bearers or brackets	,,	0	10
1¼ in. wrought one side and framed ..	,,	1	0
Do. cross-tongued, and do.	,,	1	0½
Do. tongued, and rounded window board and bearers, including groove in oak..	,,	0	8½
Do. do. all as last, and cross-tongued	,,	0	9
1½ in. rough stacking boards and proper runners	,,	0	8½
1½ in. wrought both sides	,,	0	9½
Do. and cross tongued..	,,	0	10
Do. do. framed	,,	1	0
Do. wrought one side, single rebated, and single beaded jamb linings	,,	0	10
Do. double rebated, and twice beaded do.	,,	0	10½
2 in. wrought one side, and cross-tongued	,,	0	10
Do. wrought both sides, filling in.. ..	,,	0	10½
Do. do. and cross-tongued ..	,,	0	11
2¼ in. wrought both sides, and cross-tongued rail	,,	1	0
2½ in. wrought both sides, cross-tongued, and clamped shelf	,,	1	1
3 in. wrought both sides, and cross-tongued	,,	1	2½

RUNNING LABOURS IN DEAL.

Labour to groove	Per ft. lin.	0	0¼
Do. throat	,,	0	0¼
Do. small bead	,,	0	0¼
Do. rebate to form tongue	,,	0	0½
Do. do. on splay, including groove in oak	,,	0	1
Do. do. crossgrain in short lengths	,,	0	2
Do. ¾ in. staffbead	,,	0	1
Do. 1 in. do.	,,	0	1
Do. 1¼ in. do.	,,	0	1
Do. rounded heel to 2 in. door ...	,,	0	2
Do. hollow to correspond	,,	0	2
Do. grooved and tongued angle to ¾ in.	,,	0	2
Do. tongued and staffbeaded angle to 1 in.	,,	0	2
Do. do. do. to 2 in. ...	,,	0	2

Memo.—Contractors having extensive machinery often price labour such as the aforesaid very low, averaging perhaps ¼d. per foot lineal or even less, taking one with another.

RUNNING ARTICLES IN DEAL.

Memo.—Under this head would be priced all such items as fillets, angle fillets, weather fillets, stops, beads, sash beads, glazing beads, panel beads, grounds, casings, pipe casings, linings, soffits, facias, bellboards, nosings, window boards, plain skirtings, cappings, ledges, legs, bearers, rails, &c., &c.

By adding to the several prices, according to the sizes following, the value of such lineal labours as may severally occur, as per the "Running Labours" in last paragraph, the total value of any item will be readily arrived at.

RUNNING ARTICLES IN DEAL (*continued*)—

			s.	d.
½ in. × ½ in. deal wrought all round ..		Per ft. lin.	0	0½
½ in. × ¾ in.	do.	,,	0	0½
½ in. × 1 in.	do.	,,	0	0¾
½ in. × 2 in.	do.	,,	0	1
½ in. × 3 in.	do.	,,	0	1¼
¾ in. × ¾ in.	do.	,,	0	0¾
¾ in. × 1 in.	do.	,,	0	1
¾ in. × 2 in.	do.	,,	0	1¼
¾ in. × 3 in. deal wrought all round		,,	0	1¾
1 in. × 1 in.	do.	,,	0	0¾
1 in. × 2 in.	do.	,,	0	1¾
1 in. × 3 in.	do.	,,	0	1¾
1 in. × 4 in.	do.	,,	0	2¼
1 in. × 6 in.	do.	,,	0	3¼
1 in. × 9 in.	do.	,,	0	4¾
1 in. × 12 in.	do. (crosstongued)	,,	0	7
1¼ in. × 3 in.	do.	,,	0	2¼
1¼ in. × 6 in.	do.	,,	0	4
1¼ in. × 9 in.	do.	,,	0	6¼
1¼ in. × 12 in.	do. (crosstongued)	,,	0	8½
1½ in. × 3 in.	do.	,,	0	2½
1½ in. × 6 in.	do.	,,	0	4¾
1½ in. × 9 in.	do.	,,	0	7
1½ in. × 12 in.	do. (crosstongued)	,,	0	10½
2 in. × 3 in.	do.	,,	0	2¾
2 in. × 6 in.	do.	,,	0	5¼
2 in. × 9 in.	do.	,,	0	7¾
2 in. × 12 in.	do. (crosstongued)	,,	0	11½
2½ in. × 3 in.	do.	,,	0	3¼
2½ in. × 6 in.	do.	,,	0	6¼
2½ in. × 9 in.	do.	,,	0	9¼
2½ in. × 12 in.	do. (crosstongued)	,,	1	1¼
3 in. × 3 in.	do.	,,	0	3½
3½ in. × 3½ in.	do.	,,	0	4½
3½ in. × 4½ in.	do.	,,	0	6
3½ in. × 5½ in.	do.	,,	0	7¼
3½ in. × 7 in.	do.	,,	0	9½
3½ in. × 9 in.	do.	,,	1	0
4 in. × 3½ in.	do.	,,	0	5¼
4 in. × 4½ in.	do.	,,	0	6¾
4 in. × 5½ in.	do.	,,	0	8¼
4 in. × 7 in.	do.	,,	0	10½
4 in. × 9 in.	do.	,,	1	1½

MOULDINGS.

¾ in. × ¾ in. deal cavetto	Per ft. lin.	0	0½
¾ in. × 1 in. bead	,,	0	1
¾ in. × 1¼ in. do.	,,	0	1¼
1 in. staff-bead	,,	0	1
Do. circular	,,	0	2
1 in. × 1 in. moulding	,,	0	1
1 in. × 2½ in. do.	,,	0	1¼
1 in. × 3 in. do.	,,	0	1½
1 in. × 4½ in. rounded nosing	,,	0	2
1¼ in. × 3 in. do. do.	,,	0	2
1½ in. staff-bead, including mitres	,,	0	1¼
Do. do. and bent circular.. ..	,,	0	1½
Do. do. and bending to radius, and screwing with 3 in. screws	,,	0	2
1½ in. × 3 in. moulding	,,	0	2¼
2 in. × 5 in. do.	,,	0	4
2½ in. × 2½ in. cavetto, and scribing to brickwork	,,	0	5

NUMBERED LABOURS IN DEAL.

Mitres to beads	Per No.	0	0½
Stoppings on splay to do.	,,	0	1
Notchings in linings for ledges	,,	0	1
Rounded corners to 1 in.	,,	0	1
Grooved and tongued angles to 1 in. × 6 in.	,,	0	5
Do. and do. to 1 in × 12 in.	,,	0	7
Grooved, tongued, and mitred angles to 1 in. × 5 in.		0	4
Do. do. and do. to 1½ in. × 6 in.	,,	0	6
Do. do. and do. to 1½ in. × 11 in.	,,	0	8
Framed angles to 1 in. × 4½ in. grounds ..	,,	0	3
Circular perforations 6 in. diameter in 1 in.	,,	0	2
Do. do. in 1½ in. ..	,,	0	3
Do. do. in 2 in. ..	,,	0	6

JOINER (*continued*)—		s.	d.
Scribings of soffits to iron columns ..	Per No.	0	6
Heading joints of circular frames, including oak keys and wedges	,,	0	6
Seat holes cut and dished in 1 in... ..	,,	2	0
Attend plumber to W. C.	,,	2	6
Do. to bath	,,	3	6
Do. to lavatory	,,	2	0
Do. to sink	,,	2	0
Housings of 1 in. × 9 in. skirtings	,,	0	2
Tongued and mitred angles to do. ..	,,	0	6

Numbered Items in Deal.

Paper box, combined with candle-bracket	Per No.	10	0
Beech towel-rollers and brackets	,,	5	0
Do. turned cloak pins	,,	0	6
Dresser, 7 ft. long and 7 ft. high, with 1½ in. cross-tongued pot-board, bearers, and riser, 4 in. square framed legs, 2 in. clean deal cross-tongued top 1 ft. 10 in. wide, three dovetailed drawers, black knob handles, framed and cut standards and top, with moulded architrave, mitred round as cornice, three tiers of plate shelves with grooves, beads nailed on, large and small brass hooks fixed on edge of shelves	,,	78	0
Beaded strips, 3 in. × 1 in. and 10 ft. long, plugged to wall for dish covers ..	,,	2	0
Copper lid in two thicknesses, pegged together, ledged, and with shaped handle	,,	3	6
Small sliding door, with runner and frame plugged to wall for dustbin	,,	3	0
Plate rack 3 ft. 6 in. × 3 ft.	,,	20	0
Deal dustbin, 3 ft. 6 in. × 2 ft. × 3 ft. 6 in., with slide cover, &c.	,,	45	0
Deal moulded overdoors to design, 3 ft. 9 in. × 1 ft. 6 in.	,,	15	0

Floorings.

¾ in. best yellow deal prepared floor ..	Per sqre. sup.	18	0
1 in. do. do.	,,	19	0
1¼ in. do. do.	,,	23	0
1 in. best yellow batten prepared straight joint flooring with splayed headings..	,,	25	0
1¼ in. do. do.	,,	31	0
Do. do. as last and ploughed and tongued with hoop iron..	,,	39	0
1½ in. yellow deal rough warehouse floor, edges shot	,,	33	0
2 in. do. do.	,,	40	0
1¼ in. batten flooring as described including bearers in openings	Per ft. sup.	0	6
Glued and mitred border to 1¼ in. floor	Per ft. lin.	0	2
Extra to forming sinking for mat 3 ft. × 2 ft.	Per No.	5	0

Lights.

1¾ in. deal ovolo fixed light..	Per ft. sup.	0	8½
2 in. do. do.	,,	0	9½
2½ in. do. do.	,,	0	11½
Do. do. and hung on butt hinges ..	,,	1	0
2¼ in. deal ovolo moulded and rebated fixed sash with deep bottom rail, including stout zinc rebated sash bars and rims secured to the wood to form pattern lights, with margins, circles, etc., to pattern	,,	2	4

JOINER (*continued*)—		s.	d.
Cased Window Frames and Sashes.			
Deal cased frames, with oak sunk weathered check throated sills, 1 in. deal outer linings, 1¼ in. tongued pulley styles, ¾ in. sash beads, 1¼ in. wide, for and including 1½ in. deal ovolo sashes in single squares, and single hung, with patent lines, brass-cased pulleys and iron weights	Per ft. sup.	1	3½
Do. all as last but double hung	,,	1	5½
Do. do. do. but with 12 light sashes	,,	1	6½
Frames and sashes all as first described, but the sashes 2 in. thick	,,	1	7½
Do. do. do. double hung	,,	1	9½
Do. do. do. do. but in small squares, say 7 in. × 7 in., with thick astragal bars	,,	2	0½
Frames and sashes all as first described, but the sashes 2½ in. thick, brass axle pulleys	,,	2	1
Frames and 1½ in. sashes as before but with lead weights	,,	1	5
Do. and 2 in. sashes and do.	,,	1	9½
Do. and 2½ in. sashes and do.	,,	2	3½
Circular head only to frame, and sash measured as square	,,	3	6
Continued and moulded horns to 1½ in. sashes	Per No.	0	2
Do. do. 2 in. sashes	,,	0	3
Do. do. 2½ in. sashes	,,	0	4

Casements.

Deal proper casement frames, with oak sunk weathered and throated sills, 2 in. deal moulded casements (no ironmongery)	Per ft. sup.	1	7
Splay rebate and throat to lower rail ..	Per ft. lin.	0	1½
Deal moulded cover fillet	,,	0	2
Tongue and groove to hanging style ..	,,	0	2
Deal fillets to form S joints to meeting styles and screwing (both styles measured)	,,	0	4

Doors.

¾ in. deal tongued, beaded, and ledged doors	Per ft. sup.	0	10
1 in. do. do. do.	,,	0	11
1¼ in. do. do. do.	,,	1	0
1½ in. do. do. do.	,,	1	1
Do. do. as last and braced	,,	1	3
Do. do. do. and hung folding ..	,,	1	4
1½ in. skeleton framed, ledged, and braced door, covered on one side with 1 in. tongued and beaded boarding, fixed upright in half-board widths	,,	1	4
2 in. do do.	,,	1	9
2½ in. skeleton framed, ledged, and braced folding doors, filled in with 1 in. tongued and V-jointed boarding, fixed upright in narrow widths ..	,,	2	6
1¼ in. square framed one panel door ..	,,	1	0
Do. moulded and square door	,,	1	1
1½ in. two panel square framed door ..	,,	0	11
Do. four panel do.	,,	1	0
Do. two panel bead flush and square ..	,,	1	1
Do. four panel do.	,,	1	2
Do. two panel moulded both sides ..	,,	1	2
Do. four panel do.	,,	1	3
2 in. two panel square framed door ..	,,	1	1
Do. four panel do.	,,	1	2
Do. two panel bead flush and square ..	,,	1	3
Do. four panel do. do.	,,	1	4
Do. two panel moulded both sides door	,,	1	4
Do. four panel do	,,	1	5

JOINER (*continued*)—		s.	d.
2 in. four panel stop chamfered both sides doors, V-jointed panels..	Per ft. sup.	1	3
Do. all as last, but the upper panels with diminished styles prepared for glass	,,	1	4
Do. folding doors in four folds the set, each leaf in two panels, stop chamfered both sides, V-jointed panels	,,	1	4
2¼ in folding doors, each leaf in two panels, lower do. bead flush and stop chamfered, upper do. sashed with diminished styles	,,	1	7
2½ in. do. each leaf in three panels, the framing of plank and half plank widths, four panel bolection moulded on one side bead, flush the other, 1¼ in. thick, two upper panels with mouldings for glass	,,	2	0
FIXED PANELLINGS.			
1½ in. deal, wrought one side, double rebated and twice beaded jamb and soffit linings, framed in five panels the set, the panels stop chamfered and V-jointed..	Per ft. sup.	1	1
Do. do. all as last, but in six panels the set	,,	1	2
2 in. deal, wrought both sides, square framed, panelled partition, two panels in height	,,	1	1
Do. do. moulded both sides	,,	1	3
Do. do. do. three panels in height	,,	1	5
Do. do. do. do. with raised mouldings	,,	1	6
2 in. square framed sash partition, three panels high	,,	1	5
STAIRCASES.			
1 in. clean deal treads, with rounded nosings, 1 in. tongued risers, glued, blocked, and bracketed on strong fir carriages	Per ft. sup.	1	1
Do. do. in cross-tongued winders, measured net	,,	1	3
1¼ in. treads, with moulded nosings, 1 in. tongued risers, carriages as before ..	,,	1	5
Do. do. in cross-tongued winders, measured net	,,	1	7
1¼ in. deal plain wall string	Per ft. lin.	1	0
1½ in. do. do. do.	,,	1	3
2 in. do. do. do.	,,	1	6
1¼ in. do., outer string, framed, rebated, sunk, and beaded	,,	1	4
1½ in. do. do. do.	,,	1	8
2 in. do. do. do.	,,	2	3
Memo. — String boards are generally assumed to be 12 in. wide.			
Deal moulded handrail under 8 in. of sectional area	,,	1	0
Do. do. ramped	,,	2	3
Do. do. wreathed	,,	4	0
Deal moulded handrail under 12 in of sectional area	,,	1	6
Do. do. ramped	,,	3	3
Do. do. wreathed	,,	6	0
Extra to grooving for and fitting to iron core	,,	0	2
3 in. × 3 in. deal framed and stop chamfered newel	,,	0	8
3½ in. × 3½ in. deal framed newel.. ..	,,	0	9
Do. as last, and chamfered	,,	0	10
4 in. × 4 in. octagonal newel	,,	1	0

JOINER (*continued*)—		s.	d.
5 in. × 5 in. framed and moulded newel..	Per ft. lin.	1	2
6 in. × 6 in. framed, moulded, and panelled newel	,,	2	0
1 in. × 1 in. square bar baluster	,,	0	2
1½ in. × 1½ in. do.	,,	0	3
2 in. × 2 in. do.	,,	0	4
Housing and wedging ends of steps into string	Per No.	0	4
Do. do. of winders	,,	0	6
Do. do. of steps with moulded nosings	,,	0	6
Do. do. of winders do.	,,	0	8
Do. do. of do. with circular ends	,,	0	9
Returned moulded nosings to ends of steps, including mitres..	,,	0	9
Do. do. circular on plan.. ..	,,	1	2
Scroll brackets mitred to risers	,,	1	0
Do. circular on plan	,,	2	3
Dove-tailed sinkings for balusters.. ..	,,	0	2
Proper curtail step and riser	,,	10	0
Mitred and turned caps to handrails ..	,,	2	0
Handrail joint screws	,,	1	0
Turnings to newels, from	,,	1	0
Turned pendant drops	,,	0	6
Turnings to 1¼ in. balusters	,,	0	4
Do. to 2 in. do.	,,	0	6
CUBA MAHOGANY.			
To include French polishing.			
1 in. wrought one side, cross-tongued seat and riser	Per ft. sup.	2	4
1 in. wrought mitre clamped flap, and beaded frame	,,	2	7
1½ in. wrought one side, and moulded, panelled enclosure for bath	,,	6	0
Do. rimmed shaped bath top (the void not deducted)	,,	4	0
Labour to groove	Per ft. lin.	0	1
Do. rebate	,,	0	1
Do. small rounded angle	,,	0	1
Do. rounded nosing to 1 in.	,,	0	2
Do. 1 in. staff-bead and double quirk, with tongued angle	,,	0	4
½ in. × 4 in. wrought one side square skirting, including grounds and backings plugged to walls	,,	0	9
4½ in. × 4 in. moulded handrail	,,	2	9
Tongued and mitred angles to skirting ..	Per No.	0	2
Rounded corners in ½ in.	,,	0	1
Dished perforations in 1 in., for W.C. ..	,,	2	3
Do. for handles	,,	1	9
Extra to preparing sets of W.C. fittings to shift	,,	2	9
Extra to forming small door in 1½ in. framing, for access to bath cocks ..	,,	5	0
Housings of handrail	,,	2	3
Extra to hinging same, with brass back flaps	,,	2	6
Set of bath cradling	,,	7	6
OAK.			
⅞ in. × ⅞ in. wainscot wrought panel bead, including mitres..	Per ft. lin.	0	3
1 in. × 6 in. bookboard, wrought all round, and with moulded bead on each edge	,,	1	0
4 in. × 4½ in. wrought threshold	,,	1	2
5 in. × 4 in., all as last, and beaded ..	,,	1	6
1½ in. rough cleats, 6 in. × 6 in.	Per No.	0	5
Do. 9 in. × 9 in.	,,	0	7
Do. 10 in. × [illegible] in.	,,	0	8

IRONMONGER.

To include all requisite screws, nails, and fixing.

Brass work to be fixed with brass screws.

		s.	d.
2 in. cast iron butts	Per pair	1	4
3 in. do. do.	,,	1	8
3½ in. do. do.	,,	1	10
4 in. do. do.	,,	2	0
18 in. strong cross garnets	,,	3	3
24 in. do. do.	,,	4	0
2½ in. brass butts	,,	1	9
Strong iron sash centres	,,	0	8
3 in. brass sash lifts	,,	2	0
Brass sash handles	,,	1	9
Single action spring hinges for 2 in. doors, with top centres, and fully charged, with oil	Per No.	40	0
Do. do. but double action.. ..	,,	45	0
3 in. brass lever mortice dead lock ..	,,	12	0
4 in. cupboard lock	,,	2	6
6 in. strong rebated mortice lock, strong brass furniture on both sides	,,	11	0
6 in. best mortice two-bolt lever lock, and wainscot oak bold lock furniture both sides	,,	14	0
6 in. do. all as last but rebated	,,	15	0
6 in. iron rim two-bolt knob lock, rounded edges, oak furniture	,,	10	0
7 in. do. all as last	,,	11	0
7 in. stock dead lock, brass wards.. ..	,,	12	0
4 in. iron neck bolt	,,	0	6
6 in. do.	,,	0	9
12 in. iron rod bolt	,,	1	0
15 in. do.	,,	1	6
24 in. monkey-tailed bolt	,,	4	6
Bolt socket and leading in	,,	1	0
12 in. brass flush bolt, plate ¾ in. wide ..	,,	2	3
24 in. do. do...	,,	5	6
Brass sash fastenings for 2 in. sashes ..	,,	3	0
Wrought iron flush rings	,,	1	3
Norfolk thumb latches	,,	2	0
Japanned iron plate buttons	,,	0	2
Brass do.	,,	0	3
1 in. brass knobs	,,	0	3
9 in. japanned iron casement stays with hooks and plates	,,	2	0
Brass cabin hook with plate and plugging	,,	2	0
Do. door catch and letting into floor	,,	2	0
Do. plain door handle 6 in. long in the grip, and with solid brass back plate combined	,,	2	9
Do. drop umbrella holder with plates and screwing, shifting rain pan and sockets	,,	4	0
Japanned iron barrel door chain	,,	2	0
Wainscot oak long finger plate, including French polishing	,,	1	9
Do. narrow for diminished styles ..	,,	2	6
Strong lines, hooks, arms, and pulleys, for opening and closing lights and plugs in walls	Per set	6	0
Double do. and do.	,,	7	0
Do. 34 feet from floor	,,	10	0
Iron French casement bolts, ¾ in. rod to shoot up and down for folding casements 6 ft. 6 in. high	,,	7	6
Card frames	Per doz.	7	0
1½ in. brass dresser hooks	,,	2	0
Galvanised meat hooks	,,	3	0

SLATER AND SLATE MASON.

		s.	d.
Best Penrhyn "Ladies'" slating, laid to a 2½ in. lap, and nailed with two zinc nails to each slate	Per sqre. sup.	40	6
Do. as last but to a 3 in. lap	,,	42	0
Do. do. but with copper nails ..	,,	44	0
Slating as first described, but "Countess"	,,	44	0
Do. as last, but to a 3 in. lap	,,	45	6
Do. do. but with copper nails ..	,,	48	0
Slating as first described, but "Duchess"	,,	42	0
Do. as last, but to 3 in. lap	,,	43	0
Do. do. but with copper nails ..	,,	46	0
Leave slating clean and perfect at completion of works	,,	1	0
½ in. Welsh slate slab, sawn out to sizes, quarry planed and fixed, from ..	Per ft. sup.	0	11
¾ in. do. do. do.	,,	1	2
1 in. do. do. do.	,,	1	5
1¼ in. do. do. do.	,,	1	8
1½ in. do. do. do.	,,	2	0
Do. as last but rubbed both faces ..	,,	2	3
Labour to groove 1 in. wide	Per ft. lin.	0	3
Do. rounded nosing, from	,,	0	2
Extra course of slates and cement fillet to verge	,,	0	5
Close cut and mitred hip, bedded in oil cement	,,	0	6
Patent slate ridge and hip, 2 in. roll only	,,	0	6
Do. do. 2½ in. do...	,,	0	8
Do. do. 3 in. do.	,,	0	10
Do. do. 2 in. roll and 6 in. wings	,,	0	10
Do. do. 2½ in. roll and 7 in. wings	,,	1	2
Do. do. 3 in. roll and do. ..	,,	1	6
Do. do. as last and fixing with white lead and copper screws.. ..	,,	1	10
8 in. × 3 in. rubbed channel	,,	3	0
Labour, hole cut and dished for grate ..	Per No.	2	0
Do. quadrant corner to 1 in. slate ..	,,	1	0
Make good slating to pipe passing through roof	,,	2	6

TILER.

Plain tiling showing on the face 4 in. on double fir laths and wrought iron nails	Per sqre. sup.	43	0
Do. do. showing 3½ in.	,,	50	0
Do. do. showing 3 in.	,,	57	0
Do. do. as last, but with oak laths	,,	60	0
Old pan tiling stripped, new lathed, and re-tiled dry, allowing 20 new tiles to a square	,,	21	0
Do. do. allowing 100 new tiles to a square	,,	29	0
New pan tiling laid dry to a 10 in. gauge	,,	25	6
Flats of two courses of plain tiles, bedded in Portland cement	,,	45	0
Do. three courses do.	,,	65	0
Cutting and waste in plain tiling	Per ft. lin.	0	4
Do. do. circular	,,	0	5
Double course of tiling at eaves	,,	0	4
Do. plain tile heading, and pointing in cement to verge..	,,	0	4
Hip tiles purpose made, to fit rake of roof, and bonded in with the other tiling ..	,,	1	6
Valley tiles do. do. do. ..	,,	1	6
Red ridge tiling	,,	1	4
Do. bedded in lime and hair, and jointed and pointed in cement ..	,,	1	9
Tile finials, P.C., 7s. 6d. each	Per No.	8	6
Wrought iron ornamental hip hooks ..	,,	1	6

Memo.—For illustration of roof floor and wall tiles of various descriptions, refer to Section A of the COMPENDIUM.

FOUNDER & SMITH.

Cast Iron.

All the best grey metal, cast at such foundry as the architect may approve.

All castings inclusive of the requisite patterns.

To include also proving any of the ironwork so required, also all hoisting.

		s.	d.
Metal in plain corbels, shoes and heads ..	Per cwt.	14	0
Do. in hollow columns, with base and cap plates, cogs, neckings, and moulded caps	,,	12	6
Do. in heavy area gratings ..	,,	14	6
Do. in light do.	,,	20	0
Do. in moulded cantilevers ..	,,	18	0
Do. in sash weights	,,	10	6
3 in. diameter round rain pipe, including nails and plugs	Per ft. lin.	0	6
4½ in. × 4 in. square rain pipe, including bands, ears, plugs and nails	,,	1	8
4½ in. × 4 in. moulded eaves guttering, ¼ in. thick, with socket joints put together with red lead and oil cement, and screwing to facia	,,	1	10
6 in. × 4½ in. do. and all as last	,,	2	2
3 in. swan-neck, 4½ in. projection	Per No.	1	6
Extra to plinth bends to 4½ × 4 in. pipe..	,,	5	6
Flat back moulded heads	,,	10	0
Extra to junction for 3 in. round pipe ..	,,	3	6
Stopped ends to 4½ in. × 4 in. guttering ..	,,	2	0
Angles to do.	,,	4	0
Outlets cast on	,,	5	0
Stopped ends to 6 in. × 4½ in. do. ..	,,	2	3
Outlets cast on	,,	5	6
Holes cast in and cleaned out through 1¼ in. metal for bolts	,,	0	3
Do. through 1½ in.	,,	0	4
Illuminating lens coal plate 16 in. diameter, with protecting ring for paving, chain hasp and staple	,,	21	0
Hit and miss ventilating grating, 12 in. × 6 in., and letting into wood	,,	4	0
Wall scraper	,,	8	0
Bold standard scraper to be selected, and letting into stone and running with lead	,,	12	0
Plain newel 3 ft. long, with long screw nut and plate	,,	10	0
Plain ornamental do. do.	,,	15	0
Ornamental fourways finial, 6 ft. 6 in. high above stone, of design to be selected, and with long rod let into stone and run with lead	,,	70	0
Air brick, 9 in. × 6 in., and setting in walls and forming channels	,,	1	0

Wrought Iron.

The wrought and rolled iron of the toughest and best quality.

Metal in rolled steel joists	Per cwt.	10	6
Do. in iron chimney and bearing bars cambered and caulked	,,	18	0
Do. in fishing and forged angle plates	,,	22	0
Do. in rods, plates, heads, nuts, washers, and forged straps	,,	24	0
Do. in half round handrails and round and square twisted baluster, including forging to ramps and framing together	,,	32	0
Do. in galvanized water bar and bedding in white lead	,,	35	0

Founder & Smith (*continued*)—

		s.	d.
Circular staircase, 3 ft. 6 in. diameter, with base plate screwed to wood and centre rod; also steps, landings, newels, balusters, handrails, &c., in the usual way complete	Per ft. of rise	21	0
½ in. × 1 in. saddle bars	Per ft. lin.	0	5
1 in. × 1 in. stancheons to windows ..	,,	0	9
1 in. gas tubing as handrail, including screw joints, forged ramps and handrail brackets securely screwed ..	,,	1	6
Forged ends to do.	Per No.	1	6
Drillings in ¼ in. rolled iron	,,	0	1½
Do. in ½ in. do.	,,	0	2
Do. in ¾ in. do.	,,	0	3
Cutting and fitting ends of 6 in. × 12 in. rolled iron joists to sides of similar do.	,,	3	6
Ends of ½ in. rod, forged, drilled, countersunk, and screwed	,,	0	9
Do. of ¾ in. do. do. ..	,,	1	0
Forging ends of 3 in. × ½ in. strap to pattern	,,	0	8
Tapping ends of ¾ in. rod	,,	0	2
Do. 1¼ in. do.	,,	0	3
Do. 1½ in. do.	,,	0	4
Bossed ends to handrail	,,	1	0
Dowels and white lead bed..	,,	0	2
Galvanised wire bird gratings	,,	2	0
½ in. screw bolts, average 12 in. long with nuts, heads, and washers	,,	0	6
¾ in. do. do. ..	,,	0	7
1 in. do. do. ..	,,	0	8
½ in. × 3 in. coach screws, including drilling and tapping	,,	0	6
Strong L irons, 18 in. × 12 in., with angle webs and screwing	,,	6	0
Ornamental window stancheon heads with leaves riveted on at sides	,,	7	6
Forged eyes in saddle bars for 1 in. × 1 in. stancheon	,,	1	0

Memo.—For stoves, grates, open and close fire-ranges, kitcheners, slow combustion and ventilating grates, chimney pieces, stable fittings, and iron fireproof doors and frames, refer to advertisements in the Compendium, where numerous examples and prices will be found.

PAVIOR.

Paving of hard grey stocks, laid flat in sand and jointed	Per yd. sup.	2	11
Do. do. in mortar ..	,,	3	8
Do. do. in cement ..	,,	4	5
Paving as last, but laid on edge in sand ..	,,	4	2
Do. do. in mortar ..	,,	4	11
Do. do. in cement ..	,,	5	8
Paving of malm paviors, laid flat in sand..	,,	4	7
Do. do. in mortar ..	,,	5	9
Do. do. in cement ..	,,	6	9
Paving as last, but laid on edge in sand ..	,,	6	0
Do. do. in mortar ..	,,	6	9
Do. do. in cement ..	,,	7	9
Paving of Suffolk white bricks, laid flat in mortar	,,	7	0
Do. do. in cement ..	,,	7	9
Paving as last, but laid on edge in mortar	,,	10	0
Do. do. in cement ..	,,	10	9
Do. do. rubbed and faced to close joints	,,	12	5
Dutch clinker paving	,,	11	9
Adamantine clinker paving	,,	14	0
Do. do. bevelled	,,	15	0
Do. do. laid herring bone	,,	14	6

PAVIOR (*continued*)—

		s.	d.
Staffordshire blue building brick paving, laid flat and jointed in cement ..	Per yd. sup.	7	6
Do. do. on edge ..	,,	10	6
Do. paving bricks, laid flat..	,,	7	6
Do. stable bricks, grooved and laid on edge	,,	7	6
Tar paving, 2½ in. thick, finished with a dressing of Derbyshire spar rolled in	,,	2	3
Do. 3 in. thick do. ..	,,	2	6
Do. 4 in. thick do. ..	,,	3	6
Asphalte paving according to thickness, the quantity required, and the firm employed, from	,,	4	6
Granite pitching, laid in sand and grouted in cement	,,	15	0
2 in. York stone tooled paving, laid in straight courses, and jointed in cement	Per ft. sup.	1	0
2½ in. do. do. ..	,,	1	1
3 in. do. do. ..	,,	1	2
Do. do. as last, but rubbed ..	,,	1	5
2 in. Portland stone paving, rubbed and laid in straight courses in cement ..	,,	2	2
2½ in. do. do. ..	,,	2	4
3 in. do. do. ..	,,	2	6
9 in., 10 in., and 12 in. paving tiles, and laying in sand	Per yd. sup.	5	0
Do. do. in mortar ..	,,	6	0
Do. do. in cement ..	,,	7	0
Staffordshire 6 in. red and buff tile paving, bedded and pointed in cement, including cement ground..	,,	6	6
Encaustic tile paving P. C., 10/- per yd., and laying, including ground	,,	15	0
Package and carriage only	,,	3	0
Laying tiles to pattern in cement	,,	4	0

PLUMBER.

To include all lead and labour, straps, tacks, wall hooks, solder and fixings, &c., for properly completing the work.

All sheet lead milled.

All the roof flashings well turned into the brickwork, and all the leadwork properly dressed.

STRUCTURAL.

Milled lead and labour in seatings, cut to sizes	Per cwt.	23	0
Do. do. and laying in gutters and flats	,,	28	0
Do. do. in flashings ..	,,	29	0

Lead dressed as cornices over deal moulded cores or otherwise, involving additional labour, to be charged the extra labour as per time expended.

Single welt	Per ft. lin.	0	2
Double do.	,,	0	3
Close copper nailing	,,	0	3
Burning in edge of lead, including groove in Bath stone	,,	0	2
Labour cut edge, 6 in. deep in 6 lb. lead ..	,,	0	6
Do. do. 12 in. deep	,,	0	9
Bossed ends to rolls	Per No.	0	6
Soldered dots and screws	,,	1	6
4 in. bossed angles	,,	0	6
6 in. do.	,,	0	8
9 in. do.	,,	1	0
12 in. do.	,,	1	4
Extra labour and solder in sunk cesspools	,,		
Copper wire balloon gratings for rain water heads	,,	3	0

PLUMBER (*continued.*)—

SANITARY.

Water services to be in accordance with the requirements of the Water Authorities.

		s.	d.
Milled lead and labour in cisterns, safes and sinks	Per cwt.	30	0
Close copper nailing	Per ft. lin.	0	3
Soldered angle	,,	0	9

Lead pipes to be inclusive of all joints in the length of same, and tacks where required. Lead pipes to be inclusive of bends when the pipe is 1½ in. or less; above that size, bends are to be separately measured.

½ in light lead pipe (3 lb. per yard) ..	Per ft. lin.	0	6½
¾ in. do. (6 lb. do.) ..	,,	0	10
1 in. do. (8 lb. do.) ..	,,	1	1
1¼ in. do. (12 lb. do.) ..	,,	1	6
1½ in. do. (16 lb. do.) ..	,,	1	10
2 in. do. (21 lb. do.) ..	,,	2	6
2½ in. do. (25 lb. do.) ..	,,	3	0
½ in. strong lead pipe (6 lb. do.) ..	,,	0	10
¾ in. do. (9 lb. do.) ..	,,	1	1
1 in. do. (12 lb. do.) ..	,,	1	6
1¼ in. do. (16 lb. do.) ..	,,	1	11
1½ in. do. (21 lb. do.) ..	,,	2	6
2 in. do. (28 lb. do.) ..	,,	3	4
2½ in. do. (36 lb. do.) ..	,,	4	0
4 in. cast iron strong soil pipe including nails and plugs, joints caulked in red lead and oil cement	,,	2	6
Extra on bends in 2 in. lead pipes	Per No.	1	5
Do. 2½ in. do.	,,	1	8
½ in. soldered stopped ends	,,	0	8
¾ in. do.	,,	0	10
1 in. do.	,,	1	0
½ in. soldered branch joints..	,,	1	3
¾ in. do.	,,	1	7
1 in. do.	,,	2	0
1½ in. do.	,,	2	6
2 in. do.	,,	3	0
Lead collars for unions	,,	0	4
Cast iron valve box and cover	,,	7	0
Conical cap to 2 in. pipe	,,	3	6
2½ in. to 1 in. lead cones and soldering ..	,,	3	0
3½ in. to 2 in. do. do. ..	,,	4	0
30 in. length of 1 in. iron perforated pipe, including one capped end, 1 in. brass screw union for iron, and soldered joint to lead pipe	,,	20	0
30 in. length of 4½ in. swanneck bent socket pipe out of 7 lb. lead, one end connected with iron gutter outlet, the other turned into R.W. head ..	,,	12	0
36 in. length of 4½ in. bent soil pipe out of 7 lb. lead, one end jointed to lead trap, the other to iron down pipe	,,	20	0
4 in. patent cast lead P trap, including jointing to W.C. basin and soil pipe ..	,,	18	0
Lead lavatory D trap, with brass cleaning screw, 1½ in. inlet and outlet pipes, 2 in. screw cap and soldered joints ..	,,	14	0
½ in. brass screw union for lead pipe ..	,,	3	0
¾ in. do. do.	,,	4	3
1¼ in. do. do.	,,	7	3
1½ in brass washer and union for slate, with plug and length of brass chain ..	,,	9	0
Brass washer and cementing in with do.	,,	7	0
2½ in. brass grate and soldering in ..	,,	1	6
3 in. do. and cementing in	,,	1	9
3½ in. brass screwed grate and frame, and leading into stone	,,	2	3
Copper draught flap for 1 in. lead pipe, and soldering	,,	1	6
Do. for 1¼ in. do. and do...	,,	1	9

PLUMBER (*continued*)—

		s.	d.
½ in. brass fall-down lever basin cock, with screw boss and soldered joint	Per No.	9	0
¾ in. gun metal fullway high pressure valve, including soldered joints ..		10	0
¾ in. high pressure valve ball cocks, with screw bosses copper balls, and soldered joints	,,	8	0
¾ in. brass screw-down bib cocks, with screw bosses and joints	,,	7	6
¾ in. brass screw-down stop-cocks with soldered joints	,,	9	0

Memo.—Further descriptions and quotations for fittings, tanks, pumps, &c., will be found in the body of the work. Among contractors' pumps may be noted the "Pulsometer," dealing with from 900 to 80,000 imperial gallons per hour, and at prices ranging from £8 to £170. Refrigerating machinery for ice making, cold storage, &c., may be also noted, and addresses of manufacturers found in Sec. F.

ZINC WORKER.

The zinc Vieille Montagne of best quality, and laid without solder in the most approved manner.

		s.	d.
Vieille Montagne zinc as described No. 13 zinc gauge, 16 oz. per ft. sup., as covering to trap door	Per ft. sup.	0	8½
Do. No. 15 guage, 21¾ oz., measured net over surface of flats, and add for requisite turnings and laying	,,	0	9
Zinc nailing	Per ft. lin.	0	1
Proper roll cap	,,	0	2½
3 in. half round eaves guttering	,,	0	5
4 in. do. do.	,,	0	6½
3 in. ogee do.	,,	0	6
4 in. do. do.	,,	0	8
2 in. round rain pipe..	,,	0	6
2½ in. do.	,,	0	6½
3 in. do.	,,	0	7
4 in. do.	,,	0	9½
Bossed ends to caps	Per No.	0	1½
Secret tacks	,,	0	2
Bossed and soldered angles under 4 in. high	,,	0	4
3 in. octagon rain water heads	,,	5	6
4 in. do. do.	,,	6	6
3 in. shoes	,,	1	6
4 in. do.	,,	2	4

BELLHANGER.

Ordinary house bells with cranks, copper wire, brass plate spring carriages, &c., from..	Per bell	14	0
Electric bells, do.	,,	25	0
Pneumatic bells, do.	,,	25	0

PLASTERER.

All laths for plasterer's work lath-and-a-half, ends not overlapping but butted, joints frequently broken, nailed at both ends with wrought-iron galvanized nails.

The lime for plastering best chalk lime, sand clean and sharp, and with proper proportion of clean hair.

EXTERNAL WORK.

Render and rough cast on brick with Dorking lime	Per yd. sup.	1	6
Do. floated, and do.	,,	1	10
Do. as last, but trowelled on lath ..	,,	3	0
Moulded work	Per ft. sup.	2	0
Arris	Per ft. lin.	0	1½

PLASTERER—(*continued*).

INTERNAL WORK.

Rough render one coat on brick	Per yd. sup.	0	9
Render one coat and set	,,	1	0
Render, £coat and set..	,,	1	4
Do. do. circular	,,	1	7
Lathing only	,,	0	9
Lath plaster, one coat and set	,,	1	7
Lath plaster, float and set partitions ..	,,	1	11
Do do. ceilings	,,	2	0
Do. do. and finished bastard stucco	,,	2	3
Do. do. and finished trowelled stucco, smooth for paint	,,	2	4
Extra to gauging with plaster each coat ..	,,	0	3
Do. with cement..	,,	0	3
Do. setting with gauged putty.. ..	,,	0	3½
Lath plaster, float, set, flewing to soffits of stairs	,,	3	0
Plain plaster moulding above 6 in. girt ..	Per ft. sup.	1	0
Do. do. on lath	,,	1	1
Plain plaster quirk	Per ft. lin.	0	0¼
Do. circular	,,	0	0½
Plain plaster moulding, 6 in. girt and under per inch of girth..	,,	0	1¼
1½ in. plaster staffbead and double quirk...	,,	0	3
1 in. stucco staffbead and do.	,,	0	3
Stucco reveal 4½ in. wide on brick, including 1 in. staffbead and double quirk	,,	0	5
Do. but to 10 in. reveal, the staff-bead 1¼ in.	,,	0	8½
Do. do. circular	,,	0	11
Make good plastering round roof corbels	Per No.	0	6
Do do. to chimney pieces ..	,,	1	0

KEENE'S CEMENT.

Ordinary quality, including Portland cement ground.

Trowelled plain face on brick	Per yd. sup.	2	6
Do. on lath and a-half	,,	3	3
Do. as first in panels..	Per ft. sup.	0	4½
Do. do. on lath	,,	0	5
Arris	Per ft lin.	0	1
Do. rounded	,,	0	2
Angle 5 in. girt, and slightly chamfered arris	,,	0	3½
Moulding 3 in. girt and under	,,	0	5½
Do. 6 in. girt, per inch of girth ..	,,	0	2
Skirting 9 in. high with moulding 3 in. girt	,,	0	7
Mitred angles to do...	Per No.	0	7
Stopped ends	,,	0	4

PARIAN CEMENT.

Including Portland cement ground.

Trowelled plain face on brick	Per yd. sup.	2	6
Do. on lath and half	,,	3	3
Do. as first in panels	Per ft. sup.	0	4½
Do. do. on lath..	,,	0	5

PORTLAND CEMENT.

Mixed with washed sand in the proper proportions. External faces worked or tinted to an approved colour.

Rough rendering on brick	Per yd. sup.	1	4½
Floated bed for paving	,,	1	8
Plain face on brick	,,	2	6
Do. in hearths	,,	2	7
Do. as paving 1 in. thick	,,	2	2½
Do. do. to currents	,,	2	5

PORTLAND CEMENT (*continued*)—		s.	d.
Plain face in narrow widths	Per ft. sup.	0	5½
Do. circular	,,	0	7½
Plain weathering	,,	0	6½
Arris	Per ft. lin.	0	0¼
Do., and one return..	,,	0	1
Throat	,,	0	0½
Rustic grooves V shaped	,,	0	3
Do. square sunk	,,	0	4
Do. moulded	,,	0	6
Margin 2 in. wide	,,	0	1
Do. 5 in. wide, including two arrises and dubbing	,,	0	2½
Weathering 4½ in. projection	,,	0	2
Do. 6 in. projection	,,	0	2½
Do. 9 in. projection, including 1 in. return and arris..	,,	0	4
Do. do. circular ..	,,	0	6
1¼ in. staff-bead and double quirk.. ..	,,	0	4
Do. do. circular ..	,,	0	6
1¼ in. flush bead and double quirk, part on rake, including ramps	,,	0	4
Do. do. circular ..	,,	0	6
Roll 9 in. diameter and dubbing	,,	0	4
Moulding 9 in. girt	,,	1	1
Extra to outlet	Per No.	0	6
Mitres to 9 in. moulding	,,	1	1
Stoppings to do.	,,	0	6½
Do. on splay	,,	1	1
Fair ends	,,	0	9

GLAZIER.

All glass of best glazing quality, free from blemishes, neatly puttied and back puttied where required, and left clean on both sides and perfect at completion.

15 oz. sheet, not exceeding 4 ft. sup. ..	Per ft. sup.	0	10½
21 oz. do. do. ..	,,	1	1
26 oz. do. do. ..	,,	1	2
32 oz. do. do. ..	,,	1	4
British polished plate, best glazing quality, in squares not exceeding 3 ft. sup. ..	,,	1	11
Do. do. 6 ft. sup. ..	,,	2	2
Do. do. 12 ft. sup. ..	,,	2	5
Do. do. 25 ft. sup. ..	,,	2	11
Do. do. 50 ft. sup. ..	,,	3	1
Rough cast plate glass, in squares not exceeding 6 ft. sup. and ¼ in. thick ..	,,	1	1
Do do. do. ½ in. thick ..	,,	1	3½
Do. do. do. ¾ in. thick ..	,,	3	6
Do. do. do. 1 in. thick ..	,,	4	3
Patent rolled rough plate small fluted glass, ⅛ in. thick, in squares not exceeding 4 ft. sup.	Per ft. sup.	0	5½
Do. and glazing in and including wash leather	,,	0	6
Rolled glass ⅛ in. thick in cathedral tints, and glazing in ordinary squares ..	,,	0	4
Do. in and including lead lights, banded and wired	,,	2	1
Grinding glass on one side	,,	0	9
Do. on both sides	,,	1	6
Bevilling edges, ½ in. bevil	Per ft. lin.	0	4
Do. ¾ in. do.	,,	0	7
Do. 1 in. do.	,,	0	10½
Circular cutting and risk to plate glass ..	,,	0	4
Grinding edges of glass not above ⅜ in. thick	Per in. lin.	0	0¼
Polishing edges	,,	0	1
⅓ in. rolled rough plate glass tiles.. ..	Per No.	0	10
¼ in. do. do.	,,	1	0
⅜ in. do. do.	,,	1	6
⅛ in. rough plate "Ladies'" glass slates	,,	0	8
Do. "Countess" do. ..	,,	0	11
Do. "Duchess" do. ..	,,	1	2

PAINTER.

The materials for painting and staining, &c., of the best quality, best old genuine white lead, pure linseed oil, copal varnish.

The painting to include properly knotting, stopping, rubbing down, and priming all the woodwork where for painting, and preparing where for staining, also metal and other work.

The number of coats specified is in addition to the priming coat

		s.	d.
Twice whiten on new work	Per yd. sup.	0	3
Distemper once, common colours	,,	0	3
Do. twice	,,	0	4
Plain painting to woodwork, once in oil ..	,,	0	6
Do. do. twice ..	,,	0	9
Do. do. three times ..	,,	1	0
Do. do. four times ..	,,	1	2
Do. do. five times ..	,,	1	4
Do. do. six times ..	,,	1	6
Do. do. four times finished in party colours	,,	1	3
Do. do. do. and flatted	,,	1	5½
Plain painting to iron, once	,,	0	5½
Do. do. twice	,,	0	8½
Do. do. three times ..	,,	0	11½
Do. do. four times	,,	1	1
Bar rod and strap, once in oil	Per ft. lin.	0	1
Do. do. twice	,,	0	1¼
Do. do. three times	,,	0	1½
Do. do. four times	,,	0	2
Skirtings and widths under 12 in., once ..	,,	0	1
Do. do. twice ..	,,	0	1½
Do. do. three times	,,	0	2½
Do. do. four times	,,	0	3
Sash squares, both sides, four times ..	Per doz.	3	5
Large do. do.	,,	6	6
Frames, both sides, four times	Per No.	3	10
Large do. do.	,,	5	6
Lights of varying sizes do.	,,	2	6
Do., as last, and including edges ..	,,	2	9
Iron bolts and corbels, four times.. ..	,,	0	3
Rain water heads do.	,,	0	6
Coal plates do.	,,	0	6
Wall Scrapers do.	,,	0	6
Standard scrapers do.	,,	1	0
Bolt heads cut in black	,,	0	1
L irons do.	,,	0	6
Stoves blacked	,,	0	6
Ranges do.	,,	0	9
Kitchen dresser, four oils	,,	10	0
Chimney pieces do. from	,,	4	0
Stain, size and once varnish	Per yd. sup.	1	1
Do. and twice do.	,,	1	6
Do. do. 9 in. skirting.. ..	Per ft. lin.	0	3

PAPERHANGER

Preparing walls, pumicing, and sizing ..	Per piece	0	10
Best white lining paper	,,	1	6
Extra for hanging do.	,,	0	9
Hanging only to ordinary pattern papers, from	,,	1	0

The prices of paperhangings vary so greatly according to quality and description, that quotations here would serve no purpose, but in Section P. of the COMPENDIUM, (Wall and Ceiling Coverings) will be found numerous designs and quotations of prices.

MEMO.—A rough approximation to the cost of erecting buildings is sometimes obtained by pricing their cubical contents at so much "per foot," according to the character of the proposed work. The number of cubic feet is obtained by multiplying the superficial area of the building by the height, measured from the bottom of the footings to half-way up the roof, and the price is deduced by comparing similar data in the case of buildings already erected. Appended are two or three examples:—

Cottages, such as some in the "Garden City"	Per cubic foot	3¾d. to 4d.
Ordinary dwelling houses ...	" "	6d. to 9d.
Plain warehouse work	" "	6d. upwards.
Public libraries (minimum) ...	Per cubic foot	8d.
Detached ditto	" "	9d. to 10d.
Higher class residences... ...	" "	1s. to 18d.
Elaborate stone-fronted buildings	" "	2s. upwards.

Legal Decisions, 1906.

Progressive Index to Cases in Compendium from 1904 to 1907 inclusive.

TITLE.	YEAR.	PAGE
Access to Roof ...	1907 ...	980
Accident Insurance ...	1905 ...	921
Adult Compensation ...	1907 ...	980
Advertisement Cases ...	1905 ...	917
Agents' Commission ...	1904 ...	873
Alleged Negligence of an Architect ...	1904 ...	869
Ancient Lights ...	1904 ...	869
Ancient Lights ...	1904 ...	874
Ancient Lights ...	1905 ...	918
Ancient Lights ...	1905 ...	922
Ancient Lights ...	1906 ...	961
Anti-siphonage Pipes ...	1904 ...	874
Architect's Claim ...	1905 ...	918
Architect's Claim ...	1905 ...	920
Ashpits and Water Supply ...	1906 ...	961
Auctioneers' Commission	1907 ...	980
"Best" White Lead ...	1905 ...	917
Bicycle House ...	1904 ...	876
Binding Contract ...	1905 ...	920
Blackwall Tunnel ...	1906 ...	961
Breach of Contract ...	1904 ...	870
Breach of Contract for Drainage Works ...	1906 ...	961
Building Line ...	1904 ...	874
Bursting of Water Main	1907 ...	980
Canopy	1904 ...	876
Carpet Cleaning Machine	1906 ...	962
Certifying Water Supply	1907 ...	981
City Lift	1904 ...	875
Claim for Extras ...	1904 ...	876
Cleaning Windows ...	1907 ...	981
Closing Orders ...	1906 ...	962
Coliseum Sign ...	1906 ...	968
Communion Table Decorations	1905 ...	923
Compensating Workmen	1907 ...	981
Compensation for Injuries	1905 ...	919
Compensation for Land	1905 ...	921
Compensation for Subsidence	1907 ...	981
Compensation to Adjoining Owner ...	1907 ...	981
Compulsory Removal ...	1905 ...	924
Construction of Contract	1905 ...	920
Contract with District Council	1904 ...	870
Converting a Building ...	1907 ...	981
Copyright in Patterns ...	1905 ...	921
Cottage Homes ...	1904 ...	874
Cricket Stand	1905 ...	919
Cutting down Trees ...	1906 ...	962
Damage by Flood ...	1906 ...	962
Dampness in Flats ...	1904 ...	871
Dangerous Building ...	1906 ...	962
Dangerous Coal Plate ...	1904 ...	873
Dangerous Notice Boards	1907 ...	981
Dangerous Structures ...	1907 ...	981
Defective Balcony ...	1905 ...	924
Departure from Plans ...	1905 ...	920
Deposit of Drawings ...	1905 ...	918
Deposit of Plans ...	1904 ...	869
Deposit of Plans ...	1905 ...	918
Deviations from Plans ...	1905 ...	924
Dilapidations	1907 ...	981
Discovery of Documents	1907 ...	982
District Surveyor's Fees	1904 ...	872
Dock Company Exemption	1907 ...	982
Dock Dangers... ...	1905 ...	921
Double Sale	1906 ...	968
Drainage Reconstruction	1905 ...	918
Drain Inspection ...	1906 ...	963
Drain Joints	1904 ...	876
Drain through Foundations	1904 ...	872
"Dry" Mahogany ...	1904 ...	870
Ecclesiastical Dilapidations	1907 ...	982
Electricity	1904 ...	871
Employers' Liability ...	1904 ...	874
Extraordinary Traffic ...	1904 ...	872
Extraordinary Traffic on Roads	1904 ...	870
Factory Act	1904 ...	876
Factory Acts	1907 ...	982
Felling Timber ...	1906 ...	968
Fencing Machinery ...	1905 ...	918
Fire-resisting Flats ...	1904 ...	871
Frail Steps	1904 ...	870
Funds for Church Repairs	1905 ...	918
Gable blown down ...	1904 ...	876
Garden Suburbs ...	1907 ...	982
"Garnishee"	1904 ...	873
Gas Arrears	1905 ...	917
Hoarding Advertisements	1906 ...	968
Hotel Refuse	1906 ...	963
House Agents' Commissions	1907 ...	982
Improperly Guarded Trench	1906 ...	963
Leaded Lights... ...	1905 ...	920
Liability for Extras ...	1906 ...	963
Libel	1904 ...	869
Libel	1904 ...	873
Lighting of Staircases ...	1904 ...	870
Lime Slaked or Unslaked	1907 ...	982
Lodging Allowance ...	1905 ...	917
Making Good Pavements	1906 ...	963
Neglect of Bye-laws ...	1906 ...	963
Neglect of Bye-laws ...	1906 ...	964
Neglect of Notice ...	1906 ...	964
Neglect of Repairs ...	1906 ...	964
Neglect of Repairs ...	1907 ...	983
Negligence and Trespass	1904 ...	874
Noise from Sawmills ...	1907 ...	983
Notice by Postcard ...	1905 ...	922
Official Plans	1907 ...	983
Open Space in Rear ...	1904 ...	871
Open Spaces	1904 ...	873
Open Spaces in Rear ...	1904 ...	874
Overcrowded Workrooms	1907 ...	983
Ownership of Drawings	1906 ...	964
Party-wall Claim ...	1905 ...	922
Paving Charges ...	1907 ...	983
Penalties under Building Act	1906 ...	965
Personal Injuries ...	1904 ...	872
Planing Machine Guard	1906 ...	968
Poor Gas	1905 ...	924
Portable Stall	1907 ...	983
Powers of Local Authorities	1904 ...	875
Premature Occupation ...	1907 ...	983
Projecting Water-box ...	1906 ...	965
Quality of Boards ...	1904 ...	873
Quantity Fees	1904 ...	869
Quantity Surveyor's Claim	1905 ...	921
Quantity Surveyor's Fees	1907 ...	983
Registered Lodging Houses	1904 ...	872
Removable Floors and Seats	1904 ...	876
Removal of Refuse ...	1907 ...	984
Repairing Covenants ...	1904 ...	875
Re-rooting is "Repair"...	1906 ...	965
Restraining Covenant re Service	1907 ...	984
Right of Entry ...	1905 ...	920
Right of Quarry ...	1906 ...	965
Riparian Obligations ...	1907 ...	984
River Pollution ...	1906 ...	965
Road Opening	1905 ...	919
Road Repairing Accident	1904 ...	870
Rural Bye-laws ...	1905 ...	923

Progressive Index—*Continued.*

TITLE.	YEAR.	PAGE
Safety of Spliced Ladders	1904	809
Sanitary Defects	1905	919
Sanitary Exactions	1905	921
Scaffold Guard Boards	1906	965
Seashore Boundary	1906	966
Secret Commission	1904	873
Settlement of Account	1905	919
Sewer Pollution	1905	920
Shop-front Notice	1905	918
"Simple Life" Huts	1907	984
Sky Sign	1906	966
Smoke Abatement	1906	966
Smoke Consumption	1904	871
Smoke Consumption	1905	919
Smoke Nuisance	1906	966
Smoke Nuisance	1907	984
Speculative Building	1906	968
"Squatting"	1904	875
Staking out Roads	1906	966
Standard of Gas	1904	871
Statute of Limitations	1907	984
Stonehenge	1906	966
Strand Improvement	1904	871
Street Decorations	1904	875
Street Obstruction	1905	919
Submitting Plans	1904	872
Sunday Labour	1905	919
Surface Concrete	1905	919
Surface Owners' Rights	1907	984
Survey Fees	1907	985
Tar Boiler Nuisance	1907	985
Telephones	1904	875
Temperature in Factories	1907	985
Tenant's Liability	1905	918
Thames Flood	1906	967
Thames Pollution	1907	985
Theatre Chairs	1904	873
Timber Brokers	1904	872
Trade Union Damages	1904	875
"Triangle Camp"	1907	985
Tube Railways	1904	876
Tunnelling Operations	1904	874
Unit of Measurement	1907	985
Wages Dispute	1904	875
Warming of Workrooms	1904	871
Water by Measure	1907	986
Weight of Cement	1904	870
What is a House?	1904	872
What is an Architect?	1905	922
Window Cleaning	1906	967
Withholding Certificates	1904	874
Workman's Earnings	1904	873
Workmen in Goods Lifts	1907	986
Workmen's Compensation	1905	923
Workmen's Compensation Act	1906	967
" " "	1907	986

ACCESS TO ROOF.

Case.—At Lambeth Police Court a builder was summoned for failing to comply with a notice of irregularity served upon him under the provisions of the London Building Act. The summons was issued at the instance of the district surveyor, under section 61, sub-section 2, of the London Building Act, 1894, which provides that in every building used wholly or in part as a dwelling house there shall be provided proper means of access to the roof. The summons had reference to a row of eight houses at Herne Hill, erected by the defendant, none of which were provided with proper means of access to the roof.

Defence.—Contended that the defendant's interest in the property had lapsed.

Result.—The magistrate ordered the defendant to comply with the requirements of the district surveyor within twenty-eight days.

Reported.—Refer to "*Building World*," *February* 10*th*, 1906. MARSLAND *v.* GODDARD. Also to "*Builder*" of same date.

ADULT COMPENSATION.

Case.—A novel claim made under the Workmen's Compensation Act was heard in the City of London Court. The claimants were the son and two daughters, aged respectively 25, 26 and 28 years, of a stonemason who was killed whilst working for the defendants, a firm of London builders. At the first hearing one of the daughters said she was housekeeper to her father. The other daughter helped her mother, who carried on a dressmaking business, but who died four days before the father met with the accident which caused his death. The son stated that for the past eighteen months he had done no work, although he admitted that until then he had been earning 25s. a week.

Defence.—For the defence it was urged that the claim was absolutely unique, aud that the Legislature could never have intended such a claim to succeed. There was no reason why the three grown-up claimants could not earn their own living.

Result.—After hearing the evidence, Judge Rentoul said that he had grave doubts as to whether Parliament intended to benefit as dependents the grown-up children of workmen who met with an accident and were killed while in employment, and he reserved judgment, having regard to the novelty of the case. At a later date his Honour decided to award £100 to each of the daughters, but nothing to the son.

Reported—Refer to "*Building World*," *January* 13*th*, 1906. HATFULL *v.* JOHN GREENWOOD, Ltd.

AUCTIONEERS' COMMISSION.

Case.—In the Greenwich County Court a firm of auctioneers, of Sydenham, brought an action against a lady resident of Sydenham to recover £16 5s., being the agreed commission on the sale of a freehold house for £550. It appeared that the plaintiffs were instructed to sell the defendant's house, and they introduced an intending purchaser who made an offer of £550, which was accepted by the defendant "subject to the usual contract." The would-be purchaser subsequently refused to proceed with the purchase.

Defence.—Defendant, having decided not to enforce the contract, refused to pay the commission on the ground that there was no binding contract entered into of which specific performance could be enforced. The offer and acceptance made the sale "subject to usual contract," and such contract had never been entered into.

Result.—His Honour held that the offer contained in the memorandum and the acceptance of it by the plaintiffs formed a binding contract, which could have been enforced by the defendant if she had chosen so to do. The Statute of Frauds had been complied with, and judgment was therefore given for the plaintiffs for the amount claimed with costs.

Reported.—Refer to "*Kentish Mercury*," *January* 26th, 1906. SQUIRE & CO. *v* FORSTER.

BURSTING OF WATER MAIN.

Case.—This was a dispute between a Water Company and an Electric Light Company. The question in the case was as to who was responsible for the mischief caused in the West End by the bursting of a water main in Piccadilly Circus. Plaintiffs are the owners of the main, and defendants were alleged to have caused the accident by constructing an inspection chamber, or manhole, so that it rested on the pipe and transmitted to it the vibration caused by traffic above. A number of witnesses gave evidence to the effect that there was no defect in the pipe, that the bursting was not caused by excessive water pressure, and that immediately the pipe burst prompt measures were taken to stop the outflow of water and prevent further damage.

Counterclaim.—Defendants counterclaimed in respect of damage done to them in the matter, on the ground that there was something faulty in the construction of the pipe, also that a great deal of damage was due to delay in remedying the mischief after it was discovered.

Defence.—For the defendants expert evidence was given with a view to proving that there had been a subsidence in the neighbourhood which was quite sufficient to have caused the breakage of the plaintiffs' main.

Result.—In the result his Lordship held that the plaintiffs had failed to prove that the bursting of the main was due to any act of the defendants, and dismissed the action with costs. On the defendants' counterclaim he entered judgment for them for £35 odd with costs.

Reported.—Refer to "*Builder*," *March* 24th, 1906.—LONDON HYDRAULIC POWER COMPANY *v* THE ST. JAMES'S AND PALL MALL ELECTRIC LIGHT COMPANY.

CERTIFYING WATER SUPPLY.

Case.—A firm of auctioneers was summoned by the Lewisham Borough Council for permitting two houses in Brockley to be occupied without a certificate from the sanitary authority that there was a proper water supply.

Defence.—Neglect admitted.

Result.—Fined 40/- with 12/6 costs,

Reported.—Refer to "*Kentish Mercury*," *January 5th*, 1906.—LEWISHAM BOROUGH COUNCIL *v.* BINGHAM AND BROUGHTON.

CLEANING WINDOWS.

Case.—At Greenwich Police Court a defendant appeared to a charge of standing on his window sill for the purpose of cleaning the glass of his windows.

Result.—Fined 3/- with 2/- costs.

Reported.—Refer to "*Kentish Mercury*," *May 25th*, 1906.

Case.—At the same Police Court another defendant was charged with a similar offence in respect of the Dover Castle public house.

Result.—Fined 5*s.* with 2*s.* costs, and the landlord of the house was ordered to pay 20/- with 2/- costs for permitting it.

Defence.—The landlord said that the defendant cleaned the windows without his authority.

Reported.—Refer to "*Kentish Mercury*," *March 6th*, 1906.

Case.—At Woolwich Police Court a defendant was charged with cleaning outside windows more than 6ft. from the ground without sufficient protection. The constable said that the height of the window was 14ft.

Result,—Fined 5/- with 2/- costs.

Reported.—Refer to "*Kentish Mercury*," *January 26th*, 1906.

COMPENSATING WORKMEN.

Case.—In the City of London Court a case was tried under the Employers' Liability Act, when a labourer sued a firm of builders for damages for having had his thumb torn while working for them. The plaintiff, who was removing concrete and bricks from a warehouse, was holding a chisel 4ft. long while it was being driven into the ground by another man. Suddenly a large mass of concrete gave way and took the chisel with it. As a result his thumb was torn to the bone; for twelve weeks he had been unable to follow his occupation. He admitted that the defendants had sent him some money under the Workmen's Compensation Act, but added that it had been returned by his solicitor because the allowance under that Act was insufficient.

Defence.—The defendants said the plaintiff had no case under the Employers' Act, as they had not been guilty of any negligence.

Result.—The jury found for the defendants, and judgment was given for them with costs. The plaintiff then proceeded under the Workmen's Compensation Act, and was awarded £8. The judge said £3 must be deducted to go towards the costs under the Employers' Liability action, which ought never to have been brought.

Reported.—Refer to "*City Press*," also to "*Builder*," *January 27th*, 1906.—BUNCE *v.* TURNBULL & SONS.

COMPENSATION FOR SUBSIDENCE.

Digest.—The Northwich Brine Pumping Compensation Board, which administers the Act by which compensation is paid to sufferers from subsidence, adjudicated upon claims sent in by owners for the year ending March, 1906. The claimants numbered 112, and the amount claimed was £3,864. The Board allowed £1,523. The money is raised by a tax upon brine pumpers, the maximnm being threepence per thousand gallons.

Reported.—Refer to "*Standard*," *July 4th*, 1906.

COMPENSATION TO ADJOINING OWNER.

Digest.—In Adams *v.* St. Marylebone Corporation it was held that surveyors appointed arbitrators under Section 91, subsection 1, of the London Building Act, 1894, with regard to a difference which has arisen between a building owner and an adjoining owner, have no power to award compensation to the adjoining owner for damage other than structural damage. They cannot award for consequential damage, *e.g.*, trade damage.

Reported.—Refer to "*Standard*," *August 21st*, 1906.

CONVERTING A BUILDING.

Digest.—At the Stratford Police Court the justices gave their decision in a case in which a builder, of Leytonstone, was summoned by the Wanstead Urban District Council for converting into more than one dwelling house a building originally constructed as one dwelling house, and refusing to send to the Council plans and sections of every floor of such building, contrary to section 90 of the Council's bye-laws. For the defence it was contended that the bye-law was bad, because it had not yet been sanctioned by the Local Government Board, and there was uncertainty as to the meaning of it. The alterations carried out did not, it was urged, involve any alteration to the exterior of the house, and the only thing done was to put up a partition inside the house. In giving the decision of the Bench, the Chairman said that they found that bye-law 90 was not bad for uncertainty, and as a fact the building in question had been converted into two dwelling houses. The bye-law also applied to a new building as defined by section 159 of the Public Health Act of 1875, and the Bench were of opinion that that section had been infringed. A fine of 40s. and 4s. costs was imposed, and the Bench agreed to state a case.

Reported.—Refer to "*Tribune*"; also to "*Builder*," *January 20th*, 1906. WANSTEAD U.D.C. *v.* SELBY.

DANGEROUS NOTICE BOARDS.

Case.—In the City of London Court a painter living at West Ham claimed £50 against an auctioneer as damages for having had a very large notice board blown down on him. For seven weeks he was laid up, and he now demanded compensation. The board had been up for three years.

Defence.—That the owner of the land on which the board was placed was liable if anyone.

Result.—The jury found for the plaintiff for seven guineas.

Reported.—Refer to "*Standard*," *August 15th*, 1906.—FOY *v.* MILLER.

DANGEROUS STRUCTURES.

Case.—This was a case in which the decision of the magistrate at Westminster Police Court was sought in respect of summonses which the London County Council had served under the Dangerous Structure sections of the London Building Acts of 1894 and 1898. The defendants were the lessees of a number of houses in Wake Street, Lambeth, certified by the district surveyor to be unsafe through "bulged and defective brickwork of front and back walls." The County Council asked for an order to "take down" the brickwork. The defendants had not complied with the terms of the notice.

Defence.—Counsel for the defendants cross-examined the district surveyor, and elicited that the old houses were all unoccupied and that for months past they had been shored up with heavy timber. The struts, if not interfered with, might possibly support the houses for a century. It was submitted that no case had been made out for demolition. The lessees had only a two-and-a-half years' lease of this old property to run, and for that period it was safe enough as far as the public were concerned.

Result.—The magistrate, in giving his decision, pointed out that the Act says, "take down, secure, or repair," and he took the ground that the defendants have secured these old premises. He further said, "Your own surveyor admits that they might perhaps remain shored up for a hundred years. I will adjourn the summonses for three months, and if the shoring-up is as good then as it is now said to be, the Council had better withdraw the proceedings."

Reported.—Refer to "*Morning Advertiser*," also to "*Builder*," *December 8th*, 1906.

DILAPIDATIONS.

Case.—At Woolwich County Court a solicitor sued the defendant in respect of dilapidations. The plaintiff had leased two houses to the defendant in 1883 for a term of 21 years, during which it was stipulated that he, the defendant, should keep the premises in proper repair. He had not done so, and had sublet the houses, and the sum of £30 3s. was now sued for, for dilapidations.

Defence.—It was contended that not only had defendant carried out the repairs, but that he had considerably improved the property.

Result.—His Honour gave judgment for plaintiff for the amount claimed.

Reported.—Refer to "*Kentish Mercury*," *February 23rd*, 1906.
KENT *v.* STRATTON.

DISCOVERY OF DOCUMENTS.

Case.—In the King's Bench Division, at Dublin, the Court refused a motion for discovery of documents in the case of a builder against the County Councils of Galway and Roscommon. The action related to disputed accounts referring to contracts for the erection of the Ballinasloe Lunatic Asylum and accessory buildings. Plaintiff applied for an inspection of certain minutes containing reports supplied by the architects.

Defence.—Defendants opposed the application on the ground that the minutes were privileged, as containing legal advice supplied to them by their legal advisers.

Result.—Application refused; costs allowed to defendants.

Reported.—Refer to "*Building World*," *March 3rd*, 1906.
HILL *v.* COUNTY COUNCILS aforesaid.

DOCK COMPANY EXEMPTION.

Case.—At the Thames Police Court the Millwall Dock Company was summoned by the London County Council for refusing to pay the sum of £1 2s. 6d., being expenses incurred respecting a dangerous structure. A fire occurred in the Millwall Dock, and in consequence the district surveyor surveyed the place at the request of the Council. Finding it in a dangerous state he issued a certificate, in accordance with the London Building Act, requiring the Dock Company to take down some portion of the building which had been damaged, and directing that some other portions should be shored up.

Defence.—For the defence it was contended that the Metropolitan Building Acts did not extend to any building belonging to the Company, and that one private Act could not override another private Act.

Result.—The magistrate, in giving his judgment, said the only point at issue was whether the London Building Act, 1894, applied to the Millwall Dock. The 60th section of the Millwall Dock Act, passed in 1864, enacted that "the provisions of any Metropolitan Building Act from time to time in force do not extend or apply to any building of the Company." Now, had that section been repealed by necessary implication of the subsequent Building Act of 1894? There were certainly no express words of repeal in the later Statute. His decision was that the general provisions of the London Building Act, 1894, did not affect the rights and powers given to the Dock Company under its Special Act, and he therefore gave judgment for the defendants.

Reported.—Refer to "*Builder*," *December 8th*, 1906.

ECCLESIASTICAL DILAPIDATIONS.

Digest.—In DE BEAUVAIS *v.* GREEN it was held that an order of the Bishop made under Section 34 of the Ecclesiastical Dilapidations Act, 1871, stating the cost for which the executor of the late incumbent of a benefice is liable for repairs to the buildings of the benefice, is signed by the Bishop in triplicate within the meaning of Section 35 of the Act if the signature is placed on the documents by means of a stamp used in the Bishop's office.

Reported.—Refer to "*Standard*," *August 21st*, 1906.

FACTORY ACTS.

Case.—At the Greenwich Police Court a laundryman of Catherine Grove, Blackheath Road, was summoned by H.M. Inspector of Factories for not keeping a calender ironing machine securely fenced, and for failing to show in the general register the prescribed particulars as to the limewashing of his laundry.

Defence.—Defendant said the guard was off the machine for repairs when the inspector called. He had limewashed the laundry, but he admitted that he did not enter the fact in the register.

Result.—The magistrate fined him £5 with 2s. costs for not guarding the machine, and 10s. with 2s. costs on the other summons.

At the same time another defendant was fined 40s. with 2s. costs for not keeping a cake-mixing machine securely fenced, and a like amount for failing to have the Abstract of the Act fixed in his premises.

Reported.—Refer to "*Kentish Mercury*," *August 3rd*, 1906.

GARDEN SUBURBS.

Digest.—A special meeting of the Birmingham City Council was held to consider the report of the Housing Committee which had investigated the system adopted in the principal cities of Germany. Mr. J. S. Nettlefold, chairman of the committee, proposed a resolution embodying the committee's recommendations, which provided that the Council should acquire land on the outskirts of the city, and lay it out on a systematic plan, so as to secure the advantages of a garden city. He said Birmingham was the first city council to discuss in a practical manner the ideas which all housing reformers had in their minds. They could not hope to make Birmingham a garden city, but garden suburbs could be created. In Baden (Germany) 121 local authorities had no rates whatever, owing to their income from land, and in one place actually received an annual bonus of £15. The scheme was condemned by dissentients as a dangerous innovation, but a resolution was adopted by a substantial majority.

Reported.—Refer to "*Standard*," *July 4th*, 1906.

HOUSE AGENTS' COMMISSIONS.

Case.—In the City of London Court a firm of City house agents sued a property company for £5 for commission for letting an office. The house agent's case was that he had been acting for the defendants before, and that he sent them a tenant who was accepted.

Defence.—The defendants denied that the plaintiff introduced the tenant.

Result.—The Judge, in finding for the defendants, with costs, said that house agents could not get commission simply because they introduced a tenant. Very often house agents found out what premises were to let, and then they sent tenants along; but that would not entitle them to commission unless they had been instructed to find a tenant.

Reported.—Refer to "*Standard*," *August 16th*, 1906.

LIME SLAKED OR UNSLAKED.

Case.—At the Greenwich Police Court a firm of Lewisham builders appeared to summonses, issued at the instance of the London County Council, alleging an infringement of the bye-laws under the Building Act as regarded the composition of mortar used in the construction of certain houses in Boyne Road and Belmont Road, Lewisham. The complaint against the mortar was that it did not contain lime in the proportion of one part to three of clean sand or grit, and evidence was given by an assistant in the chemist's department of the London County Council, who had analysed a sample, to the effect that the proportion was much lower than this. Other witnesses described the mortar as of poor quality.

Defence.—Contended that there was nothing in the bye-law to show that the proportion of dry lime to sand should be one part to three, and that it was the custom to measure the proportion of slaked lime. Contended further that the bye-law was bad in point of law, on the ground of uncertainty. Several well-known architects and builders spoke to the practice of taking slaked lime in measuring the proportions for mortar.

Result.—At an adjourned sitting the magistrate gave his decision. He said he found as fact that the mortar used was in the proportion of one of lime to three of sand or grit if measured with slaked lime, but if with unslaked lime it would only be about one to five. He also found evidence that many leading builders construed the requirement "one to three" as referring to slaked lime. As regarded the bye-law, it was not enough to say that the proportion of lime should be one in three, but it ought also to be stated what condition the lime should be in, whether slaked or unslaked, and he was inclined to hold that the bye-law was bad on that ground. Even if it were good, it did not seem to him that the construction put upon it was unreasonable. He dismissed the summons with £50 costs.

Reported.—Refer to "*Builder*," *March 24th* and *31st*, 1906, also to "*Kentish Mercury*," *February 2nd*, *March 2nd*, *16th*, *30th*.

Appeal.—An application was subsequently made on behalf of the London County Council to the magistrate, who was asked to state a special case with a view to an appeal. His Worship assented.

Refer to "*Kentish Mercury*," *April 6th*, 1906.—LONDON COUNTY COUNCIL *v.* H. & G. TAYLOR.

Memo.—Some of the evidence in this case as tendered for the defence by builders and others, to the effect that it is a custom to regard the requirement of "one of lime to three of sand" for mortar as intended to mean lime after it has been slaked, may possibly come as a surprise to those architects who have been in the habit of assuming that to specify in the ordinary way the proportions they wish for, and intend, is sufficient to secure the adoption of such proportions. The moral to be drawn from the decision given in this case is, that in specifying it is important to state definitely whether the lime is to be measured before or after slaking.

NEGLECT OF REPAIRS.

Case.—This case was noticed in the "Compendium" for 1906 (refer to page 964). It has since been carried to the Court of Appeal, and finally to the House of Lords.

Defence.—The defendant appealed against the verdict and judgment in favour of the wife that had been given at the trial of the action, and asked either for a new trial or judgment. His ground was that there was no evidence of any contract with the wife, and that there was no liability on a landlord who let an unfurnished house in a dilapidated condition for any accident by reason of the condition of the premises.

Result.—The Court of Appeal held that the defendant was not liable to the wife, either in contract or in tort, and entered judgment for the defendant with costs. In the House of Lords the Lord Chancellor, in moving that the appeal should be dismissed, said he agreed with the judgment of the Court of Appeal. He could find no right of action in the wife of the tenant against the landlord, either for letting these premises in a dangerous state or for failing to repair them according to a verbal promise that was given the husband. The husband had sued successfully for breach of contract, but the wife was no party to any contract. Accordingly the appeal must fail. The other Law Lords concurred.

Reported.—Refer to "*Standard*," *June 23rd*, 1906.—CAVALIER *v.* POPE.

NOISE FROM SAWMILLS.

Case.—The plaintiff in this case brought an action for an injunction restraining the defendant from carrying on the business of a saw-mills in such a way as by reason of the noise and vibration and the language of the men employed by the defendant, to cause a nuisance or injury to the plaintiff and his property. Plaintiff was the owner of house property in Barnes, and himself occupied one of these houses. Defendant was a neighbouring owner. At the end of 1900 the defendant set up immediately at the back of the plaintiff's premises a saw-mills and joinery yard on a large scale, and had converted residences and houses which were quiet residences into places where now it was impossible to enjoy quiet and comfort. Defendant had offered to erect, and had erected, a wall 14ft. high to mitigate the nuisance complained of, but it had been found ineffective. He had offered to erect a wall 22ft. high on plaintiff's own property, but this offer had been declined. Counsel for plaintiff said that he was not instructed to ask for anything less than the closing of the mills.

Defence.—A general denial of the allegations of the plaintiff.

Result.—His Lordship, in giving judgment, said he was not satisfied at all with the evidence given by the plaintiff's witnesses, it being greatly exaggerated. He thought the defendant had acted in a perfectly straightforward and honest way, and that the case against him was to a great extent imagined. He came to the conclusion that it was a dishonest, and not a *bona-fide* action, and dismissed it with costs.

Reported.—Refer to "*Builder*," *March 31st*, 1906.—HAWKINS *v.* NICHOLS.

OFFICIAL PLANS.

Digest.—The Walton-on-the-Naze Council unanimously adopted a resolution declining to comply with a request from the Local Government Board for copies of plans and sections of the sewerage works in the town unless the authority at Whitehall gave an undertaking to pay the expenses incidental to preparing the desired copies. The Council adopted this attitude on the ground that they were not justified in spending the ratepayers' money for such purposes.

Reported.—Refer to "*Standard*," *April* 28th, 1906.

OVERCROWDED WORKROOMS.

Case.—A draper of Sydenham was summoned for allowing his workrooms to be overcrowded.

Result.—Fined 40/- with 21/- costs.

Reported.—Refer to "*Kentish Mercury*," *February* 9th, 1906. LEWISHAM BOROUGH COUNCIL *v* COBB.

PAVING CHARGES.

Case.—At Greenwich Police Court a defendant was summoned for £19 14s. 1d., being his portion of the cost of paving a part of Hurstbourne Road, Forest Hill.

Defence.—That defendant was not the owner when the apportionment was made, and consequently the Council ought to have claimed from the owner at that time.

Result.—The magistrate ordered payment of the amount, with £2 2s. costs.

Reported.—Refer to "*Kentish Mercury*," *June* 1st, 1906.—LEWISHAM BOROUGH COUNCIL *v* FAIRBAIRN.

PORTABLE STALL.

Case.—A fishmonger and fruiterer, of Woking, was summoned for having erected a new building without having first submitted plans and sections as required by the bye-laws. The question for decision was whether what defendant had erected was a building, or whether it was a structure which came within the class that had been held not to be buildings. The structure in question was 15 feet long by 5 feet wide. It was supported on wheels, with a view no doubt to showing that it was not a building at all, but a caravan. A pair of shafts had been added to show that it could be so used. Application to the several Companies had, however, been made to lay on water and electric light.

Defence.—For the defence it was argued that the structure was not a building, as there was nothing of a permanent nature about it; defendant simply holding a small portion of land on a weekly tenancy. No man would consider himself called upon to supply any plans for a structure which he might be compelled to remove within seven days.

Result.—The magistrates decided that the case must be dismissed, seeing that the defendant held the land on a weekly tenancy and might be moved at seven days' notice.

Reported.—Refer to "*Building World*," *January 13th*, 1906. WOKING URBAN COUNCIL *v.* BAYLISS.

PREMATURE OCCUPATION.

Case.—At Tottenham Police Court an Edmonton builder was summoned for contravening a bye-law of the local district Council by occupying a house before it was properly completed. For the prosecution it was explained that the house was without a water supply and a drainage system. The defendant having disputed that he was occupying the house, the sanitary officials went to the premises at midnight and pitched a ladder against the bedroom window; one of them ascended it, and then turned on a bull's-eye lantern, and saw the defendant in bed.

Result.—Fined £3 and costs.

Reported.—Refer to "*Standard*," *August 24th*, 1906. TOTTENHAM DISTRICT COUNCIL *v.* MERRY.

QUANTITY SURVEYOR'S FEES.

Case.—This was an action by which the plaintiff, MR. E. T. CLARKE, a quantity surveyor, sought to recover from the EXECUTORS OF THE LATE MR. J. W. BROOKER, an architect, the sum of £170, the alleged agreed amount for work and labour done by the plaintiff for, at the request and by the order of Mr. J. W. Brooker. It appeared that the work in question was done in relation to the Imperial Hall, East Dulwich, the plaintiff's case being that the order for his employment was verbally given to him by Mr. Brooker.

Defence.—The defence was a denial that Mr. Brooker ever employed the plaintiff as alleged or at all, or that he requested or ordered the plaintiff to do the work, or that he agreed to pay him £170 or any sum whatever. Defendants also said that Mr. Brooker acted as sole agent for the Hall Finance Syndicate, and not otherwise. It was also alternatively pleaded that if Mr. Brooker even employed the plaintiff it was an implied term of the employment that the plaintiff should perform his work within a reasonable time, and that plaintiff failed to perform the work within a reasonable time, and his work was consequently of no value to Mr. Brooker.

Result.—Evidence was given as to the customary method of dealing with the payment of quantity surveyors' fees, viz., by the addition of the said fees to the account of the builder, payment of them being made in the first instance to the builder by the building owner, and the builder sending on a cheque for the fees to the quantity surveyor. After other incidental evidence, his Lordship summed up, and the jury found a verdict for the defendants. His Lordship entered judgment accordingly.

Reported.—Refer to "*Builder*," *February 3rd*, 1906.

REMOVAL OF REFUSE.

Case.—This case related to a contest between an occupier of a house in Putney and the Borough Council as to the removal of refuse. The said occupier, wfiose residence is situated about 40 feet back from the highway, refused to comply with the requirement of the Council, and to have his removable sanitary dust-bin placed on the kerbstone, in order to facilitate a daily, instead of a weekly, removal of refuse. Thereupon the Council declined to remove the refuse, although the occupier had served them with a notice to remove it, and was willing to place the dust-bin outside his house in a position which was conveniently accessible to the Council's servants. The occupier, therefore, laid an information against the Borough Council for refusing to comply with his notice, and the magistrate of the South-Western Police Court convicted and fined them 20s. and 25 guineas costs. Against this the Council appealed, and the appeal was heard in the King's Bench Division before the Lord Chief Justice, Mr Justice Ridley, and Mr. Justice Darling.

Result.—Without calling upon the respondent's counsel, the Lord Chief Justice gave judgment, dismissing the appeal. The magistrate, it must be taken, had found it a fact that the respondent had a reasonably accessible position on the premises from which the authority could remove the refuse, and was willing to place the bin there. That being so, the Borough Council had gone considerably beyond the bye-law of the London County Council. The other judges concurred, and the appeal was dismissed with costs.

Reported.—Refer to "*Building World*," *January 27th*, 1906. WANDSWORTH BOROUGH COUNCIL *v.* BAINES.

RESTRAINING COVENANT RE SERVICE.

Case.—This was a case that came before the Court of Appeal. The original action by the plaintiffs, a firm of builders' merchants, carrying on business at Southampton, with branch offices at Bournemouth, Poole, Portsmouth, and other places, was for an injunction to restrain the defendant from carrying on such business at Broadstone in alleged breach of an agreement of service. The plaintiffs, by an agreement of service, had agreed to take the defendant into their employment, and in that agreement it was provided that defendant should not for the space of fourteen years after the termination of his employment with the plaintiffs, at any place within a radius of thirty miles from the Town Hall at Bournemouth or the Bargate at Southampton, carry on directly or indirectly as principal clerk, agent, manager, or traveller, or in any other capacity, the business of a builders' merchant or manufacturer of or a dealer in cement, lime, bricks, plaster, laths, whiting, and any other building materials which at any time during his employment should be manufactured by or dealt in or sold on commission by the plaintiffs. The agreement was executed by the defendant when he was nineteen years of age. He remained with them for seven years, and then left their employ, and the plaintiffs subsequently discovered that the defendant was carrying on business at Broadstone, which was within seven miles of Bournemouth, and they accordingly brought the action.

Result.—The Judge held that the area covered by the agreement was larger than was reasonably required for the protection of the plaintiff's trade, and dismissed the action with costs. On the appeal, the Court pointed out that the agreement, having been made with an infant and not subsequently confirmed at his majority, was open to doubt as a valid agreement. The opinion of the Judge who tried the action was upheld, and moreover the practice of exacting these restraining covenants was condemned as a pernicious one. The Master of the Rolls, in giving judgment said, *inter alia*, that the case had been decided against the plaintiffs on the ground that the area was too wide for the reasonable protection of the employers, and that the agreement could not be enforced. On that ground the learned judge was, he thought, right. It was not necessary to decide the point as to the validity of the agreement as having been executed by an infant, but he was not satisfied that the plaintiff's position could be maintained on these grounds. The appeal was accordingly dismissed with costs.

Reported.—Refer to "*Builder*," *April 14th*, 1906. HOOPER & ASHBY *v.* WILLIS.

RIPARIAN OBLIGATIONS.

Case.—At the Thames Court a defendant was summoned at the instance of the London County Council for omitting to keep in position a tide-board at Gilbert Wharf, Narrow Street, Limehouse. For the prosecution it was stated that the occasion was an exceptionally high tide, which rose to a height of 16 ft. 3 in. in that neighbourhood, and through one of the defendant's tide-boards being out when work was not in progress, the water rose to a height of 3¼ inches on his premises. If also flowed through the party wall into the adjoining premises.

Defence.—Plea of guilty.

Result.—The magistrate said that, through the carelessness of the defendant, damage had been done to his neighbours' property. As he had been previously fined under the same regulations he would now have to pay a penalty of £30, and £6 6s. costs.

Reported.—Refer to "*Standard*," *April 20th*, 1906.

"SIMPLE LIFE" HUTS.

Digest.—The Billericay (Essex) Rural Council are clearing away the "simple life" huts in its district. Occupants of huts at Vange, Basildon, and Pitsea have been summoned for occupying some which were stated to be unfit for habitation. They were constructed of old boxes and mud. Closing orders were in all cases made.

Reported.—Refer to "*Standard*," *May 17th*, 1906.

SMOKE NUISANCE.

Case.—A firm of confectioners, of Piccadilly, was summoned at Marlborough Street, by the sanitary inspector to Westminster, for not complying with a notice to abate a smoke nuisance arising from their bakehouse chimney.

Defence.—The secretary of the company said that everything possible had been done to check the smoke, but they had to have a fire for baking.

Result.—The magistrate pointed out that the fire could burn without quantities of black smoke being given off, and imposed a fine of £10, with 2/- costs.

Reported.—Refer to "*Standard*," *April 20th*, 1906.

STATUTE OF LIMITATIONS.

Case.—At Tavistock County Court an ironmonger sued a builder for the value of goods supplied and work done to the Manor Hotel, Lydford, in the years 1894 and 1895.

Defence.—Defendant pleaded the Statute of Limitations, the debt being twelve years old.

Result.—His Honour said that he had no alternative but to enter a verdict for the defendant, and the costs would follow the event.

Reported.—Refer to "*Building World*," *March 10th*, 1906.

SURFACE OWNERS' RIGHTS.

Case.—This was an appeal to the House of Lords from a judgment of the Court of Appeal affirming a decision of Mr. Justice Farwell. The action was originally brought by the present respondents, the Bishop Auckland Society, seeking a declaration that the Butterknowle Colliery Company were not entitled, as against the respondents, to work their mines so as

to lower or depress the surface of certain lands in the parish of Hamsterley, in the County of Durham, belonging to the respondents, or so as to injure any of their buildings standing on the lands. They also asked for an injunction. Mr. Justice Farwell held that the mineral owner was not entitled to work the minerals in such a way as to let down the surface. He therefore granted an injunction, and directed an inquiry as to damages. The Court of Appeal affirmed that decision.

Result.—The Lord Chancellor said he entirely concurred with the opinions expressed by the Judges of the Court of Appeal, and with the reasons they had given for them. The judgment of Mr. Justice Farwell would therefore be affirmed. The other noble and learned lords gave judgment to the like effect. The appeal was accordingly dismissed, with costs.

Reported.—Refer to "*Standard*," *May 8th*, 1906. BISHOP AUCKLAND INDUSTRIAL CO-OPERATIVE FLOUR AND PROVISION SOCIETY, Ltd., *v.* BUTTERKNOWLE COLLIERY COMPANY, Ltd.

SURVEY FEES.

Case.—At Clerkenwell County Court a builder sued the defendant for £3 3s. in respect of work done. Plaintiff stated that acting on defendant's instructions he surveyed a house at Kilburn, and drew up a specification as to internal decoration, repairs, &c. He charged £2 2s. for the survey and £1 1s. for drawing up the specification. Subsequently he learned that the work for which he had specified had been given to another builder.

Defence.—It was a question of price. Three builders had looked over the premises and the work was given to one who sent in a lower tender. Plaintiff's specification was never shown to any other builder, nor were any of the particulars in it made known to them.

Result.—The Judge said that had plaintiff been a surveyor he would have been entitled to his fees, because the presumption of law was that when a surveyor was asked to do certain work the person who employed him intended to pay him. But the supposition when an ordinary builder was called in was that, having in view the possibility of getting the work, he gave the estimate free. This survey was called by plaintiff a specification of certain work which he would do for a certain price. He did not get the contract, so he now sued for a fee in the same way as if he had been called in as a surveyor. But he was not entitled to it, and the verdict must be for defendant with costs.

Reported.—Refer to "*Building World*," *February 17th*, 1906. STORR *v.* BLAIBERG.

TAR BOILER NUISANCE.

Case,—At the Greenwich County Court a resident at Catford sued a firm of contractors for £6 10s., the cost of repairs, &c., to his house, which was alleged to have been damaged by smoke and fumes from a tar boiler which was placed in front of the premises while the defendants were laying the electric tram lines to Catford.

Defence.—That the defendants were acting under statutory powers, and did the work without being guilty of negligence, the boiler being of the latest improvement; it consumed its own smoke. It was explained that it was necessary to keep the fires alight all night.

Result.—The Judge said that he was sorry for the plaintiff, but the law did not allow him to find in his favour. Judgment was entered for the defendants.

Reported.—Refer to "*Kentish Mercury*," *March 23rd*, 1906. CASTELL *v.* DICK, KERR & CO.

TEMPERATURE IN FACTORIES.

Case.—At the Thames Police Court a firm of rag-sorters, High Street, Shadwell, was summoned by the Home Office for not taking proper measures for securing and maintaining a reasonable temperature in their warehouse. The Inspector of Factories said the section of the Act required that a reasonable temperature must be maintained, but there was no actual definition as to what this was. He submitted that it was 60 degrees. Assistant Inspector stated that on a date he visited the defendants' warehouse; it was about midday, and the temperature there at that time was 48 degrees. The Medical Inspector of Factories said that if the temperature was less than 60 degrees people were liable to chilblains, rheumatism, and tonsilitis.

Defence.—Counsel for the defence ridiculed the contention of the prosecution, and said he wondered what the temperature in schools and even courts of justice was.

Result.—The magistrate imposed a fine of £3, and 6/- costs.

Reported.—Refer to "*Standard*," *May 9th*, 1906.

THAMES POLLUTION.

Case.—At Hungerford (Berkshire) Sessions the Hungerford District Council were summoned by the Thames Conservancy for polluting the river Kennet, a tributary of the Thames. The Conservancy first served the Council with a notice to stop this nuisance ten years ago.

Result.—Fine of £50.

Reported.—Refer to "*Standard*," *April 12th*, 1906.

"TRIANGLE CAMP."

Case.—This was an application of the West Ham Corporation asking that a committal order might issue against the defendant, Ben. Cunningham, a councillor, for contempt of court in not obeying an injunction restraining him from trespassing on a piece of land at Plaistow. It was explained that the injunction was granted on a previous date, and by its terms the defendant and another and their servants and agents were ordered to "quit" their self-acquired territory. The land in question which the defendants had trespassed upon was about four acres in extent, and was situated at St. Mary's Road, Plaistow. It belonged to the plaintiff Corporation, and formerly consisted of a series of gravel pits. These had since been filled up, the ground levelled, and the land fenced round. It appeared that the defendants and their servants and agents had taken possession of the land, and had encamped there, and were digging up and cultivating the land. They were, after they had been in possession of the land several days, asked to leave, but as they refused the injunction was obtained.

Defence.—Counsel for the defendant said that his client felt very sore upon the subject. He maintained that he had committed no trespass on the Corporation property whatever. It was the duty of the authorities of the parish to provide work for the unemployed. In what he had done he had been actuated by the purest and most patriotic of motives in calling the attention of the public to the negligent way in which the authorities were dealing with the needs of the unemployed. He would undertake not to go on the land until the trial of the appeal.

Result.—No order made for committal, but defendant to give an undertaking that till the end of this action he will not go on the place covered by the order, and he must pay the costs of this application.

Reported.—Refer to "*Standard*," *August 16th*, 1906.

UNIT OF MEASUREMENT.

Case.—This case—interesting as illustrating some features of Scottish methods of measuring builders' works—came up on final appeal in the Scottish Court of Session, and was heard by Lord Justice Clerk and Lords Kyllachy, Stormonth-Darling, and Low. It appeared that the appellants contracted with the defendants and respondents, who are builders and contractors in Stonehouse, in the County of Lanark, for the erection of certain tenements, according to plans and schedules prepared by an architect employed by the pursuers. In the schedules the architect stated the chimney stalks at a rate per square yard. This, it was alleged, was contrary to the prevailing practice in the west of Scotland, where the work in question was always scheduled per square foot. The defenders inserted a rate per square foot, acting on the erroneous assumption that this was what was wanted. The defenders were the successful offerers, and on the completion of the work it was measured by the architect, who, in his final measurement, inserted a price per square foot for the work performed, thus paying the defenders at a rate nine times in excess of the price quoted by them per square yard. This having been subsequently discovered by the pursuers, they raised the present action for restitution of the sum of £78 alleged to have been overpaid.

Defence.—It appeared to be common ground that the rate quoted by the defenders in their schedule was a fair and usual rate per square foot; that although they had quoted the same rate per square yard, what they really intended to quote was a rate per foot, and that therefore the money which they had received was due in equity.

Result.—The Court held that the pursuers were unable to show that repayment was due in equity, and the defenders therefore were assoilzied.

Reported.—Refer to "*Building World,*" *February 3rd*, 1906.—WILSON *v.* WEIR AND HAMILTON.

WATER BY MEASURE.

Case.—At the North London Police Court the magistrate delivered a considered judgment in a case in which the Metropolitan Water Board was summoned by an estate agent and builder, of Stoke Newington Road, for neglecting to supply him with water by measure. This was a summons (said the magistrate) under section 43 of the Water Works Clauses Act, 1847, for neglecting to supply water by measure to the complainant at his request. Being desirous of having a supply of water by measure for use in his building operations, which was a purpose other than the purposes in respect of which rates were, by the East London Water Works Act, 1853, provided or limited, the complainant requested the defendants to supply him with 25,000 gallons of water. He tendered with his request the sum of £2 2s. in payment for the water, at the rate of 9d. per 1,000 gallons, which was the maximum price to be paid, according to section 79 of the East London Water Works Act, 1853. The defendants had neglected to supply water by measure to the complainant, who consequently asserted that they were liable to penalties for such neglect.

Defence.—The defence put forward by counsel for the defendants was that they were not bound to supply water to the complainant by measure, because he was not the owner or occupier of any premises situate in or adjoining any street in which any main or service pipe of the defendant company was laid, and that, inasmuch as the supply of water was required by the complainant at a point on the land at which there was no building, and which was not appurtenant to any building there, the place of required supply, of which the complainant was the owner and occupier, was not "premises" within the section.

Result.—The magistrate found that the complainant's land was premises, and that he had made a reasonable tender. Penalty of 40s. against the Water Board, and £10 10s. costs.

Reported.—Refer to "*Standard,*" *May 22nd*, 1906. PAINE *v.* METROPOLITAN WATER BOARD.

WORKMEN IN GOODS LIFTS.

Case.—This was an appeal to the House of Lords by the widow of a workman, in *forma pauperis*, against an order of the Court of Appeal. The appellant's husband was a joiner in the employ of the respondents, engineers, of Gainsborough. They had on their premises a lift or hoist, on which was posted a notice that it was only to be used by workmen when in charge of goods. On the day of the accident the man got into the lift in order to pass quickly from one floor to the other, and as he was leaving it, it suddenly moved upwards, throwing him down, and in the result he was crushed and so injured that he died. By Clause 1 of the Workmen's Compensation Act, 1897, under which Act the widow now claimed to be entitled to compensation, it is enacted that the employer of an injured workman shall not be liable if the injury to the workman is attributable to the serious and wilful misconduct of the injured man. The County Court judge held in favour of the employers, and the Court of Appeal affirmed his decision, expressing the view that in this case the act, although trivial in itself, must be regarded as "serious," because it resulted in serious consequences to the workman.

Defence.—In the County Court the respondents had submitted that the widow could not recover because, having no load with him, the man ought not to have made use of the hoist; and his doing so was an infraction of their rule.

Result.—The Lord Chancellor said he disagreed with the view of the Court of Appeal that the word "serious" could be construed in reference to the result of the misconduct, for he thought the word clearly qualified the misconduct itself. It could not be contended under all the circumstances that this breach of rule should be so designated. Other Lords concurred. Judgment for the widow for £242 16s., together with all costs.

Reported.—Refer to "*Standard,*" *May 18th*, 1906.—JOHNSON *v.* MARSHALL, SONS, AND CO, LIMITED.

WORKMEN'S COMPENSATION ACT.

Case.—This case came before the Court of Appeal on the application of the plaintiff for a new trial or judgment in an action tried at Birmingham. In it, the plaintiff, a boy of about fifteen years of age, brought the action through his next friend to recover damages from the defendants, his employers, for personal injuries caused by the alleged negligence of the defendants, or in the alternative, by a breach on their part of their statutory duty under the Factory and Workshop Act, 1901, to keep certain machinery properly fenced. At the trial judgment was entered for the defendants, in accordance with the verdict of the jury. After judgment had been so entered, plaintiff's counsel applied to the learned judge to assess compensation to the plaintiff to be paid by the defendants under Section 1, sub-section 4 of the Workmen's Compensation Act, 1897. and the learned judge made an award in favour of the plaintiff under the Act for 3s. 6d. a week, and gave a certificate to that effect.

Defence.—After the case had been opened for the appellant, counsel for the respondents contended that as the plaintiff had exercised the option conferred on him by the Workmen's Compensation Act, and had obtained an award of statutory compensation under sub-section 4, he was stopped from proceeding further with his common law remedy.

Result.—Their lordships upheld the objection, holding that, as the plaintiff had exercised his option to have compensation assessed under the Act of 1897, and having got the award which was apparently unimpeachable and properly made, he was barred from prosecuting the action. Appeal dismissed with costs.

Reported.—Refer to "*Builder,*" *August 4th*, 1906.—NEALE *v* THE ELECTRIC AND ORDNANCE ACCESSORIES CO., LTD.

NOTES AND DATA.

IN preparing the following Notes and Data a careful selection has been made of the most useful tables and memoranda. Leading authorities have been consulted and the whole has been arranged in a form for ready use. In a work of this kind it is scarcely to be hoped that no inaccuracy should have crept in, but every effort has been made to render all the information thoroughly reliable.

We shall be pleased to receive any suggestions by which its usefulness may be improved in future issues.

ALTAR or LORD'S TABLE.

Height, 3 ft. 3 in. to 3 ft. 6 in. Width, 1 ft. 10 in. to 2 ft. 3 in. Least Length, 6 ft. 6 in.

ALTAR RAILS

Should stand on only one step, and ample room should be allowed in front of rail for communicants. Height of rail, 2 ft.

ANGLE AND T IRON.

WEIGHT IN LBS. PER FOOT RUN.

Breadth of Flanges added Inches.	¼	⅜	½	⅝	¾	⅞	1
2	1·46	2·03	2·50				
2½	1·87	2·66	3·34				
3	2·29	3·28	4·17	4·95			
3½	2·71	3·92	5·01	6·00			
4	3·13	4·54	5·83	7·03	8·14		
4½	3·54	5·17	6·67	8·08	9·39		
5	3·96	5·80	7·50	9·11	10·64	12·05	
5½	4·38	6·41	8·33	10·16	11·89	13·50	
6	4·80	7·03	9·16	11·21	13·13	14·95	16·66
6½	5·21	7·66	9·99	12·25	14·37	16·40	18·33
7	5·62	8·29	10·82	13·28	15·61	17·86	20·00
7½	6·03	8·93	11·65	14·33	16·85	19·32	21·67
8	6·44	9·53	12·52	15·37	18·10	20·78	23·33
9		10·80	14·17	17·47	20·60	23·70	26·66
10		12·06	15·83	19·55	23·10	26·61	30·00

SAFE DISTRIBUTED LOAD IN CWTS.

¼ Breaking Weight. Ends fixed.

Dimensions.			Bearing in feet. 4	6	8	10	12	14
1 × 1 ×	$\frac{3}{16}$		1·51	1·02	·76	·62	·51	
1½	1½	¼	4·69	3·12	2·34	1·87	1·56	
2	2	¼	8·75	5·84	4·37	3·5	2·91	
2½	2½	$\frac{5}{16}$		11·5	8·6	6·87	5·75	4·9
3	3	⅜		19·	14·79	11·81	9·87	8·43
3½	3½	⅜		27·	20·5	16·4	13·66	11·46
4	4	$\frac{7}{16}$			31·25	25·0	20·83	17·86
5	5	½			56·25	45·0	27·5	32·14
6	6	½			82·5	66·0	55·0	47·14

AREAS.

Trapezium = ½ sum of parallel sides × vertical distance apart.
Triangle = ½ perpendicular × base.
Cycloid = ⅜ area of generating circle.
Sector of Circle = $\frac{\text{degrees in arc} \times \text{area of circle}}{360}$

See also "CIRCLES," *Properties of.*

ARCHITECTS' CHARGES.

SCHEDULE SANCTIONED BY THE ROYAL INSTITUTE OF BRITISH ARCHITECTS, CONFIRMED AT A GENERAL CONFERENCE OF ARCHITECTS OF THE UNITED KINGDOM, 1872, AND REVISED BY THE ROYAL INSTITUTE, 1898.*

1. The usual remuneration for an architect's services, except as hereinafter mentioned, is a commission of 5 per cent. on the total cost of works executed under his directions. Such total cost is to be valued as though executed by a builder with new materials. This commission is for the necessary preliminary conferences and sketches, approximate estimate when required (such for instance, as may be obtained by cubing out the contents), the necessary general and detailed drawings and specifications, one set of tracings, duplicate specification, general superintendence of works, and examining and passing the accounts, exclusive of measuring and making out extras and omissions.

2. This commission does not include the payment for services rendered in connection with negotiations relating to the site or premises, or in supplying drawings to ground or other landlords, or in surveying the site or premises and taking levels, making surveys and plans of buildings to be altered, making arrangements in respect of party-walls and rights of light, or for drawings for and correspondence with local and other authorities, or for services consequent on the failure of builders to carry out the works, or for services in connection with litigation or arbitration, or in the measurement and valuation of extras and omissions. For such services additional charges proportionate to the trouble involved and time spent are made. The clerk of the works should be appointed by the architect, his salary being paid by the client.

3. In all works of less cost than £1,000, and in works requiring designs for furniture and fittings of buildings, or for their decoration with painting, mosaics, sculpture, stained glass, or other like works, and in cases of alterations and additions to buildings, 5 per cent. is not remunerative, and the architect's charge is regulated by special circumstances and conditions.

* Copyright of the Royal Inst. of British Architects, of whom copies can be obtained, price 6d.

Architects' Charges—*continued.*

4. When several distinct buildings, being repetitions of one design, are erected at the same time from a single specification and one set of drawings and under one contract, the usual commission is charged on the cost of one such building, and a modified arrangement made in respect of the others; but this arrangement does not apply to the reduplication of parts in one building undertaking, in which case the full commission is charged on the total cost.

5. If the architect should have drawn out the approved design, with plans, elevations, sections, and specification, the charge is 2½ per cent. upon the estimated cost. If he should have procured tenders in accordance with the instruction of his employer, the charge is ½ per cent. in addition. 2½ per cent. is charged upon any works originally included in the contract or tender, but subsequently omitted in execution. These charges are exclusive of the charge for taking out quantities. Preliminary sketches and interviews, where the drawings are not further proceeded with, are charged for according to the trouble involved and time expended.

6. Should the client, having approved the design, and, after the contract drawings have been prepared, require material alterations to be made, whether before or after the contract has been entered into, an extra charge is made in proportion to the time occupied in such alterations.

7. The architect is entitled during the progress of the works to payment by instalments on account at the rate of 5 per cent. on the amount of the certificates when granted, or alternatively on the signing of the contract, to half the commission on the amount thereof, and the remainder by instalments during their progress.

8. The charge per day depends upon an architect's professional position, the minimum charge being three guineas.

9. The charge for taking a plan of an estate, laying it out, and arranging for building upon it, is regulated by the time, skill, and trouble involved.

10. For setting out on an estate the position of the proposed road or roads, taking levels, and preparing drawings for roads and sewers, applying for the sanction of local authorities, and supplying all necessary tracings for this purpose, the charge is 2 per cent. on the estimated cost. For subsequently preparing working drawings and specifications of roads and sewers, obtaining tenders, supplying one

Architects' Charges—*continued.*

copy of drawings and specification to the contractor, superintending works, examining and passing accounts (exclusive of measuring and valuing extras and omissions), the charge is 4 per cent. on the cost of the works excuted, in addition to the 2 per cent. previously mentioned.

11. For letting the several plots in ordinary cases the charge is a sum not exceeding a whole year's ground rent, but in respect of plots of great value a special arrangement must be made.

12. For approving plans submitted by the lessee, and for inspecting the buildings during their progress, so far as may be necessary to ensure the conditions being fulfilled, and certifying for lease, the charge is a percentage not exceeding 1¼ per cent. up to £5,000, and above that by special arrangement.

13. For valuing freehold, copyhold, or leasehold property the charge is :—

On £1,000 .. .. 1 per cent.
Thence to £10,000 .. .. ½ "
Above £10,000 .. .. ¼ " on residue.

In valuations for mortgage, if an advance is not made, ⅓ of the above scale. The minimum fee is three guineas.

14. For valuing and negotiating the settlement of claims under the Land Clauses Consolidation Act or other Acts for the compulsory acquisition of property, the charge is on Ryde's Scale, as follows :—

ON AMOUNT OF SETTLEMENT, WHETHER BY VERDICT, AWARD, OR OTHERWISE.

Amt. £	Gs.	Amt. £	Gs.	Amt. £	Gs.
100	5	3,400	30	7,600	51
200	7	3,600	31	7,800	52
300	9	3,800	32	8,000	53
400	11	4,000	33	8,200	54
500	13	4,200	34	8,400	55
600	14	4,400	35	8,600	56
700	15	4,600	36	8,800	57
800	16	4,800	37	9,000	58
900	17	5,000	38	9,200	59
1,000	18	5,200	39	9,400	60
1,200	19	5,400	40	9,600	61
1,400	20	5,600	41	9,800	62
1,600	21	5,800	42	10,000	63
1,800	22	6,000	43	11,000	68
2,000	23	6,200	44	12,000	73
2,200	24	6,400	45	14,000	83
2,400	25	6,600	46	16,000	93
2,600	26	6,800	47	18,000	103
2,800	27	7,000	48	20,000	113
3,000	28	7,200	49		
3,200	29	7,400	50		

Beyond this Half-a-Guinea per Cent.

The above scale is exclusive of attendances on juries or umpires, or at arbitrations, and also of expenses and preparation of plans.

15. For estimating dilapidations, and furnishing or checking a schedule of same, the charge is 5 per cent. on the estimate, but in no case less than two guineas. For services in connection with settlement of claim, by arbitration or otherwise, extra charges are made, under Clause 8.

16. For inspecting, reporting, and advising on the sanitary condition of premises, the charge must depend on the nature and extent of the services rendered.

17. In all cases travelling and other out-of-pocket expenses are paid by the client in addition to the fees. If the work is at such a distance as to lead to an exceptional expenditure of time in travelling, an additional charge may be made under Clause 8.

18. When an architect takes out and supplies to builders quantities on which to form estimates for executing his designs, he should do so with the concurrence of his client, and it is desirable that the architect should be paid by him rather than by the builder, the cost of such quantities not being included in the commission of 5 per cent.

ASPECT

MOST SUITABLE FOR ROOMS.

Bedrooms, S.E. Ditto Summer, N.E. Billiard Room, N. or N.W.

Conservatory, S., with ends E. and W.

Dairy, N.

Dining Room, N. to N.E. Drawing Room, S.E.

Kitchen Offices, N. Larder, N. Library, E.

Morning Room, E. Nursery, S. or S.E.

Porch, N.E. Servants' Offices, N.E. Sick Room, S.E.

Smoking Room, N.W. Staircase and Landing, N.

Aspect—*continued.*

TO DETERMINE SOUTH BY A WATCH.—Point hour hand to the sun. Half-way from hour hand to XII gives the direction of S. To determine East and West, erect a vertical rod on a flat surface; describe a circle with the rod as a centre, and the height of the rod as radius (varies with latitude), mark the point where the shadow of the rod touches the circle in the forenoon, and again in the afternoon, and draw a line through the two points, which line will give the "East" and "West."

ASPHALT

Is used either in a mastic state and rubbed to a smooth surface, or as a powder, spread and consolidated with hot irons. The former for floors, roofs, damp-proof courses, walls, arches, tanks, reservoirs, etc.; the latter for roads and pavements where the traffic is heavy.

Thickness: For floors and roofs, ½ in. to 1 in.; for pavements and roads, 1¼ in. to 2 in.; for damp-proof courses, ¼ in. to ¾ in.; and as a vertical damp-proof course, ¾ in. to 1½ in.

The bed for receiving Asphalt must be thoroughly dry, and where it is to be attached to vertical faces, the ground should be rough to afford a good key.

BARS.

ROUND AND SQUARE IRON.

Weight in lbs. per foot run.

Inches.	Round.	Square.	Inches.	Round.	Square.
¼	·164	·208	2½	16·38	20·85
⅜	·368	·470	2¾	19·82	25·25
½	·655	·835	3	23·58	30·05
⅝	1·024	1·304	3¼	27·68	35·25
¾	1·475	1·877	3½	32·09	40·85
⅞	2·008	2·555	3¾	36·84	46·93
1	2·62	3·336	4	41·90	53·38
1⅛	3·31	4·22	4¼	47·30	60·28
1¼	4·09	5·21	4½	53·09	67·60
1⅜	4·95	6·33	4¾	58·09	75·32
1½	5·89	7·50	5	65·46	83·42
1⅝	6·91	8·81	5¼	72·25	02·02
1¾	8·02	10·29	5½	79·28	101·0
1⅞	9·21	11·72	5¾	86·65	110·35
2	10·48	13·35	6	94·35	120·15
2¼	13·26	16·89			

NOTE.—For weights of bars of larger size multiply a bar half the size by 4.

FLAT BAR IRON.

Weight in lbs. per foot run.

Breadth in ins.	Thickness in fractions of an inch. ⅛	¼	⅜	½	⅝	¾	⅞	1
1	·41	·83	1·25	1·67	2·08	2·50	2·92	3·34
1¼	·52	1·04	1·56	2·08	2·60	3·13	3·65	4·17
1½	·03	1·25	1·88	2·50	3·13	3·75	4·38	5·00
1¾	·73	1·46	2·19	2·92	3·65	4·38	5·10	5·83
2	·84	1·67	2·50	3·34	4·17	5·00	5·85	6·67
2¼	·94	1·88	2·81	3·76	4·69	5·63	6·57	7·50
2½	1·04	2·08	3·13	4·17	5·21	6·26	7·29	8·34
2¾	1·15	2·29	3·44	4·58	5·74	6·88	8·03	9·17
3	1·25	2·50	3·75	5·00	6·25	7·50	8·75	10·01
3¼	1·35	2·71	4·07	5·43	6·77	8·14	9·48	10·85
3½	1·46	2·92	4·38	5·84	7·39	8·75	10·22	11·68
3¾	1·57	3·13	4·69	6·26	7·81	9·39	10·94	12·51
4	1·67	3·34	5·00	6·68	8·34	10·01	11·69	13·35
4¼	1·77	3·54	5·32	7·09	8·86	10·63	12·40	14·18
4½	1·87	3·75	5·63	7·50	9·39	11·26	13·14	15·02
4¾	1·98	3·96	5·94	7·92	9·90	11·88	13·86	15·85
5	2·09	4·17	6·25	8·34	10·43	12·50	14·50	16·68
5¼	2·19	4·38	6·56	8·75	10·95	13·14	15·32	17·52
5½	2·29	4·59	6·88	9·17	11·47	13·75	16·06	18·35
5¾	2·39	4·79	7·20	9·58	11·99	14·39	16·79	19·18
6	2·50	5·00	7·50	10·00	12·52	15·01	17·52	20.04

For STEEL BARS - multiply above by 1·02.

BATHS and WASHHOUSES.

PUBLIC BATHS.

Proportion of LARGE BATH, length and width, 3 to 1. 100 ft. × 35 ft. best size for first class bath; depth of water, 3 ft. 6 in. at shallow end, 6 ft. to 7 ft. at deep end. Depth should be indicated on wall, just above safety rail, in plain figures, at every 5 ft. of length.

Space required for Water Polo, 75 ft. × 35 ft.; and depth, 4 ft. 6 in. to 7 ft.

Open self-draining channel near top to receive scum and as spitting trough; an iron or copper safety rail, 1½ in. diam., a few inches above water line, all round.

DRESSING BOXES, 3 ft. 6 in. × 3 ft. 6 in.; fitted with seat, battened foot-board, small shelf, two

Baths and Washhouses—*continued.*

hat and coat pegs, and mirror. Ladies' Dressing Boxes, 4 ft. × 4 ft.

GANGWAYS round pond, 4 ft. clear at sides, and 6 ft. to 8 ft. at ends. Well rubbed, hard York stone best for paving. Fall to surface drains.

DIVING STAGE, JUDGES' PLATFORM, PRESS GALLERY, and WATER CHUTE.

TEMPERATURE of Water, 70° to 72° Fahr.; and for women and children, 72° to 75°. Room outside Pond and Douche Room, 68°; and for women and children, same as Pond. Water should be warmed by the injection of steam round the sides near the bottom; the pipes in chases and cased for protection.

LATRINES should be kept separate from bath, and warmed and ventilated.

CONSTRUCTION OF LARGE BATH.—Good, sound foundation; a shell of Portland cement concrete inside, rendered in cement and lined with asphalte. Then tested, and, if water-tight, paved and faced with white glazed bricks or tiles.

If used for swimming entertainments, means of communication from one end of the bath to the other should be provided outside.

SLIPPER BATHS.—1st class: Two compartments. One containing glazed fireclay bath, white inside and out, with warm and cold douche over; fittings—foot-board, towel rail, electric bell, and soap dish. Other, a small dressing-room, with dressing table, glass, chair, rug, hat and coat pegs.

2nd class: Single compartment, 6 ft. 3 in. × 6 ft. in clear, Bath fireclay, glazed inside and over rim, and rest painted; fittings—foot-board seat, towel rail, clothes pegs, electric bell, soap dish, mirror and brush, shelf and thermometer, Divisions, 6 ft. 6 in. high, and standing a few inches above floor of enamelled slate, light coloured marbles, or, preferably, of white glazed bricks. Valves non-concussive, and regulated by attendant. Waste should empty bath in 2 minutes.

WASHHOUSES.

ROOMS REQUIRED.—Washhouse and mangling room, waiting room, cloak and bonnet room, and crèche near entrance; store, bath and sink room, w.c., etc.; accommodation for manager and wife.

WASHHOUSES, with drying closets one side of room, washing compartments on the other.

Each washer has a compartment and one drying horse, numbered to correspond.

Each compartment 3 ft. 6 in. × 2 ft. and 4 ft. 6 in. high, and 6 ft. between. Should contain two troughs; one for boiling and rinsing at back, and one for washing.

Steam supplied to back trough for boiling purposes, and hot and cold water supplied to front troughs by cocks with movable nozzles. Hot and cold water supplies may be carried on iron standards, fixed along top of divisions; that for steam should be carried along floor, with upward branch to each compartment.

Over troughs at back of compartment, a lattice shelf to take linen when washed; and underneath, receptacles for soap and soda.

Divisions mostly of cast iron, galvanized or painted.

Hydro extractor, or centrifugal wringing machines, about 22 in. diam., driven from below.

Heating of drying closets by coils of steam pipes; temperature of closet, 140°, combined with efficient ventilation.

Walls faced with glazed bricks; surface drainage of floor.

Average stay of one washer, 2½ hours; average water used, 45 gallons.

MANGLING ROOM, adjoining washhouse; one large and one small steam-driven box mangle, and table for folding, etc.

IRONING.—Little or no ironing done—this at home—but small gas stove should be provided for heating irons.

CLOAK AND BONNET ROOM, with ventilated cupboards, with lock and key, and numbers to correspond with number of drying closet, etc.

BILLIARD ROOMS.

A full size table is 12ft. × 6ft.; smaller sizes are 6ft., 7ft., 8ft., 9ft., 10ft. and 11ft. Clear space round table usually 6ft., sometimes only 5ft. Space between two tables should be 5ft. Seat and lounges should be clear of playing space and be raised. Height of room should be 13ft. to 14ft. Top light and ventilating necessary.

The floor of a billiard room should, if on the ground floor, be constructed with solid supports, and, if on an upper floor, with beams under the legs of the table.

BOILING POINT.

		Centigrade. °	Fahrenheit. °
Alcohol boils at	...	74·4	173·1
Ether ,,	...	35·5	96.
Quicksilver ,,	...	360	680
Water ,,	...	100	212

BOLTS and NUTS—IRON.

WEIGHTS IN LBS.

Hexagon head and nut and round neck.

Diameters in Inches.	Clear Length of Bolts in Inches under Head. 1	1½	2	3	For each additional Inch in length ADD
¼	·031	·038	·045	·059	·014
5/16	·056	·067	·078	·100	·022
⅜	·092	·107	·123	·154	·031
7/16	·139	·161	·182	·225	·043
½	·200	·228	·256	·312	·056
9/16	·276	·312	·348	·420	·072
⅝	·369	·412	·456	·543	·087
¾	·613	·676	·740	·867	·127
⅞	...	1·039	1·124	1·294	·170
1	...	1·496	1·604	1·823	·219
1⅛	...	...	2·210	2·496	·286
1¼	...	...	2·956	3·306	·350
1⅜	...	...	3·864	4·296	·425
1½	...	...	...	5·431	·505
1¾	...	...	...	8·254	·703
2	...	...	...	11·931	·918

BRICKWORK.

SIZES OF BRICKS.

London Stocks	...	8¾	×	4¼	×	2¾
Red Kiln ...	...	8¾	×	4¼	×	2¾
Welsh Fire ...	...	9	×	4½	×	2¾
Glazed ...	...	9	×	4½	×	2⅞
Suffolk Whites	...	8¾	×	4¼	×	2¾
Staffordshire Blue	...	6	×	1¾	×	2½
,, ,,	...	8¾	×	4¼	×	2¾
,, ,,	...	9	×	3	×	4
,, ,,	..	9	×	4½	×	2
,, ,,	...	10	×	5	×	2
,, ,,	...	12	×	6	×	2½
Adamantine Clinker		6	×	2½	×	1¾
Dutch Clinker	...	6¼	×	3	×	1½

The Suffolk White, Blue Staffordshire, and the Clinkers are used for paving.

500 Bricks = 1 load, and weigh 1½ tons.
1000 Bricks stacked = 50 to 55 c. feet.
1000 Old Bricks stacked = 65 to 70 c. feet.

ROD = STANDARD MEASURE = 16½ ft. × 16½ ft. × 13½ in.

1 Rod = 272 ft. of 1½ B. wall = 408 ft. super. 1 B. wall = 816 ft. super. ½ B. wall = 306 ft. c. = 11⅓ yards c.

1 Rod = 258 c. ft. of bricks and 48 c. ft. of mortar, and ¼ in. joints = 234 c. ft. of bricks and 72 c. ft. of mortar ⅜ in. joints.

1 Rod requires 4320 to 4352 stocks in mortar with ¼ in. to ⅜ in. joints.

1 Rod requires 5370 stocks laid dry.

1 Rod requires 4900 stocks dry in wells, etc.

1 Foot super of reduced brickwork requires 16 bricks.

1 Rod requires 36 bushels of Portland cement and 36 bushels of sand, or 1 c. yard of stone lime and 3½ c yards of sand.

To reduce 9 in. work to standard, deduct ⅛.

To reduce cubic feet to standard, deduct ⅙.

BRICK ARCHES.—1 yard super of gauged arches requires 10 bricks.

BRICK FACING.—1 foot super requires 7 bricks, Flemish bond.

1 Foot super requires 8 bricks, English bond.

Brickwork—*continued.*

BRICK NOGGING.—1 yard super requires 45 stocks laid flat, and ¾ c. ft. of mortar.

1 yard super requires 30 stocks laid on edge and ½ c. ft. of mortar.

In dry weather bricks should be wetted before use.

Each course should be flushed with mortar.

Regular stages no part more than 4 ft. above rest of work.

Sleeper walls or piers 4 ft. 6 in. or 5 ft. apart.

Hollow walls, cavity 2¼ ins., with 3 or 4 ties every yard super, arranged diagonally. Provide air bricks for ventilation. Cover heads of doors and windows with 4 lb. lead, at least 12 inches wide, and turned down.

The greater thickness of hollow wall should be inside for strength.

Keep cavity of a hollow wall clear of mortar drippings as work proceeds.

CATTLE SHEDS.

Shelters.

Space for each Sheep		10 ft. super.
,,	,, Pig	10 ft.
,,	,, Bullock	40 to 60 ft. super.

CHAINS.

SAFE LOAD CALCULATED AT ABOUT ⅛ OF BREAKING WEIGHT.

Stud Link Cables. Dia. of bar. Ins.	Safe load. Tons.	Dia. of bar. Ins.	Safe load. Tons.	Close Link Cables. Dia. of bar. Ins.	Safe load. Tons.	Dia. of bar. Ins.	Safe load. Tons.
½	1	1½	9·75	3/16	·15	13/16	2·7
9/16	1·33	1⅝	11	¼	·27	⅞	3·0
⅝	1·60	1 7/16	12·75	5/16	·41	15/16	3·5
11/16	2	1⅞	14·75	⅜	·6	1	4
¾	2·5	2	16·75	7/16	·81	1⅛	5
⅞	3·5	2⅛	18·5	½	1·07	1¼	6·25
1	4·5	2¼	20 6	9/16	1·35	1⅜	7·25
1⅛	5·75	2⅜	22·33	⅝	1·67	1½	9
1¼	7	2½	24·33	11/16	2·01	1⅝	11
1⅜	8·5	2¾	29·33	¾	2·4	1¾	13

CHANCELS.

Clear space between fronts of book boards at least 5 ft., where width of chancel is under 18ft., but 8 ft. or more where possible.

In large churches provide for return of Communicants through side aisles.

In chancel aisles movable seats are desirable.

CHIMNEYS and FLUES.

L. B. ACT, 1894.—*Digest.*

Except to steam engine, brewery, distillery, or manufactory, not to be higher above roof, etc., adjoining than 6 times the least width, unless bonded to another chimney not in same line, or otherwise secured.

Chimneys may project ON CORBELS thickness of wall immediately below. Others to be on SOLID FOUNDATIONS and footings, or on iron girders bearing on party, external, or cross walls, to satisfaction of District Surveyor.

Flues at a LESS ANGLE THAN 45 DEGREES, to have at least 8½ ins. of brickwork on upper side.

Chimneys and Flues with angles LESS THAN 45 DEGREES to have SOOT DOORS of not less than 40 square inches, every angle to be properly rounded. SOOT DOORS 15 ins. from wood.

Chimney breast to be carried on arch, stone, or wrought iron. If projecting more than 4 ins., with jambs less than 17½ ins. wide, to be tied in with iron bar or bars turned up and down at ends and built in 8½ ins. each side.

JAMBS to be at least 8½ ins. wide.

CHIMNEY BREASTS and brickwork surrounding smoke flues to be at least 4 ins. thick.

BACKS OF FIRE PLACE openings to a height of 12 ins. above mantle to be 8½ ins. thick.

Inside of flues and outside, where passing through floors or roofs, or near timber, TO BE RENDERED, PARGETTED, OR LINED with fire-resisting stoneware piping.

Chimney shafts or flues to be at least 3 FEET ABOVE THE ROOF FLAT OR GUTTER at the highest part adjoining, and the TOP 6 COURSES TO BE IN CEMENT.

Flues built in or against any PARTY STRUCTURE to be surrounded with new brickwork at least 4 ins. thick, and properly bonded.

Chimneys and Flues—*continued.*

CHIMNEY BREASTS not to be CUT AWAY from any party wall without the certificate of the District Surveyor.

CHIMNEY SHAFT, jamb, or flue, not to be CUT INTO, except for repair, for letting in, removing, or altering pipes and smoke jacks; for forming openings for soot doors, and for insertion of ventilating valves, the opening for such not to be nearer than 12 ins. to any timber or combustible material.

POSITION AND COURSE OF FLUES to be outlined in durable manner on outside of wall, except in outer wall.

Flues for OVEN, FURNACE, COCKLE, STEAM BOILER, OR CLOSE FIRE, for any trade or business, or range or cooking apparatus of any hotel, tavern, or eating house, to be surrounded with brickwork 8½ ins. thick to level of ceiling to room over.

Flues to STEAM BOILER or HOT AIR ENGINE to be 20 ft. high from floor of engine.

TIMBER AND WOODWORK not to be nearer than 12 ins. to inside of flues or chimney openings, not to be within 10 ins. of upper side of the hearth, not within 2 ins. of face of wall about any chimney or flue if such wall be less than 8½ ins. thick, unless face be rendered.

WOOD PLUGS not to be nearer than 6 ins., and iron holdfasts than 2 ins., the inside of any flue.

Pipe-flues, see "Pipes."

CHIMNEY SHAFTS.

Circular shafts offer only half the resistance to wind of square shafts. Flues should always be circular.

Chimney shafts should not be attached to buildings owing to unequal settlement.

Thickness of brickwork: top 20 ft. (if flue not more than 4 ft. 6 in. diam.) 1 brick. (If flue over 4 ft. 6 in. diam., 1½ bricks.) Add ½ brick to thickness for every 20 feet below.

Furnace should not be further away from shaft than ⅔ height.

Firebrick lining inside base should be independent of main shaft, and if temperature of vapours very great, take firebrick lining to the top.

Shafts carrying off poisonous fumes should be at least 250 feet high.

Hard stocks and mortar stand heat better than stone and cement.

Foundations should be large and spreading.

Caps should only have a slight projection, as they catch the wind and cause oscillation.

Hoop iron bond is required every ten or twelve courses for each ½ brick of thickness.

A lightning conductor should be fixed to shaft.

L. B. ACT, 1894.—*Digest.*

To be of brickwork and mortar, and if detached to taper 2½ inches to 10 feet of height.

Thickness of brickwork at top and for 20 feet down to be at least 8½ inches, and half brick additional for every 20 feet down.

Cap cornice pedestal plinth string course to be additional to thickness required, and every cap to be constructed and secured to the satisfaction of the District Surveyor.

Foundations to be to satisfaction of the District Surveyor.

Footings to be in regular offsets, projection to equal thickness of base of shaft, space enclosed by footings to be filled in solid as work proceeds.

CHURCHES.

REQUIREMENTS AND SUGGESTIONS, AS REVISED AND ADOPTED BY THE INCORPORATED CHURCH BUILDING SOCIETY.

PRELIMINARY.

In the designing and arrangement of a Church, it must always be kept in mind that the primary use of a Church is for worship, and that the form of worship to be used there is that contained in the Book of Common Prayer; also, that it is intended for a permanent building, and, therefore, must be of substantial construction and not

likely soon to need rebuilding or heavy charges for its repair.

It is better to build only a part of a Church well and make up the accommodation required by using temporary building, which may be taken away when the charge of permanent work may be borne, than to attempt more than the money available can properly pay for.

In populous places and places where the population is likely to increase, Churches should be large, and, if it be not possible to build them so at first, they should at least be laid down on a large plan, and as much as can be, or as may at the time be required, should be built, the completion of the work being left to the future.

In the case of a part only of a Church being built at first, it is desirable, unless strong reasons exist to the contrary, that such part shall include the Chancel.*

The Holy Table and the Font should always be suitable for the permanent Church, but all other furniture may be temporary, provided that it be decent in itself, and be arranged as the permanent furniture is intended to be, so that each or any part of it may give place to permanent work as opportunity occurs.

Of New Churches.

Site.—The site of a new Church should be easily accessible from all sides, and not near to railways, noisy workshops, or other sources of annoyance. It is well that a Church should stand on somewhat raised ground, but not that it should be on the top of a steep hill. In the country a Church should always stand in an enclosed churchyard, which may or may not be used as a graveyard, and in towns the principal entrances should wherever it is possible be set back from the street or road.

All Churches should stand east and west, or nearly so, unless local circumstances make this quite impossible.

Plan.—A Church should have a nave with or without aisles, and a Chancel of sufficient size. Transepts are not convenient for the use of part of a general congregation, but a transept may properly be made into a side chapel or a place for an organ. When a Church has aisles it is convenient that they be continued in some form sufficiently far along the Chancel to allow of its being entered from them eastward of the choir seats. It is desirable that every large Church should be provided with a side chapel.

Style.—Whilst the object of the Society is to ensure that the Churches helped by it shall be conveniently planned and properly built, there is no wish to limit architects in their architectural treatment of them. All that is asked is that a design shall be suitable to the needs and conditions of the building, and to the materials proposed to be used. Any lasting material may be used if properly treated. But shams cannot be tolerated, whether they be imitations of one material in another or suggestions of construction which does not really exist.

Foundations.—Proper foundations must be provided of sufficient width and depth according to the nature of the ground, and concrete must be used in all irregular or doubtful soils.

Damp Course.—A sufficient damp course must be put over the whole thickness of all the walls and piers, a little above the finished ground-line, and proper precautions taken to protect the floors from damp.

*It has to be borne in mind with regard to this recommendation, that by the Rules of the Society the Committee can pay no portion of the grant before Consecration.

Walls.—Walls must, according to the materials used, be of not less than the following thickness:—

	Squared Stone of the best quality, or Brick.	Brick or Concrete, faced with Flint or Stone.	Inferior Stone, Flint, or Rubble.
	ft. in.	ft. in.	ft. in.
If less than 20′ 0″ high and carrying a roof not exceeding 20′ 0″ span . .	1 10½	2 3	
If 20′ 0″ high and under 30′ 0″, or carrying a roof exceeding 20′ 0″ span .	2 3	2 6	
If more than 30′ 0″ high . . .	2 7½	3 0	

The arcade walls to be measured from the floor line, and the gable walls from the ground to half way up the roof. The thickness to be measured on bed and clear of plaster.

These dimensions are given on the supposition that the walls are solid and sufficiently buttressed. If buttresses are not used, or the walls are made hollow, the thickness must be increased as much as, in the judgment of the Committee of Architects, is in each case required. Iron ties must not be used in hollow walls.

Chimneys.—The walling round flues must be nowhere less than 9″ thick. A chimney must not be disguised under the form of an ornamental feature in the building.

Roofs.—Timber used for roofs may be oak, teak, or Baltic fir, and, subject to the precaution named in the following paragraph, pitch pine.

No pitch pine or other American timber may be used in contact with any wall, or in the floors, or in plates.

All roofs must be amply and efficiently tied. If trussed coupled rafters be used for spans exceeding 20′ 0″ without principals, sufficient tie beams must be introduced; if trussed principals be used, and the distance between them exceed 12′ 0″ from centre to centre, intermediate trusses must be introduced. The distance between the common rafters should not exceed 12″. The ends of main timber should be carried on stone corbels, or if lodged in the walls, they must rest on templates, and a space be left for ventilation between the timber and the walling round. Rafters exposed to view should never be less than 4½″ in breadth.

The best internal covering, when funds allow, is stone or brick vaulting; if a wooden ceiling be adopted, stone must not be imitated; and lath and plaster groining is never to be used.

The external covering of roofs may be of lead, copper, slates, tiles, or other fit material; ordinary slates must be copper nailed.

Where local material is used for roof covering, it should be laid in the best manner traditional in the place. Felt or other suitable protecting material must be laid under slates or tiles.

Cast lead for covering is better than milled, and the old system of joints formed by rolling the edges of the lead together one within the other is much better than that of lapping the sheets round wood rolls. Ventilation should be provided for wherever lead is used, and lead should never be laid on oak boarding: sheets should not be longer than 10′ 0″, or wider than 2′ 3″ between the finished rolls, and the lead not less than 7 lb. to the foot.

Lead for gutters must not be less in weight than 7 lb. to the foot, but 8 lb. or 9 lb. is better.

Copper for roof covering must be at least 16 oz. to the foot.

Where there is no ceiling the boarding over rafters must be tongued, and where lead or copper is used there must be a second boarding and a space of at least 1″ between it and the inner boarding.

Gutters.—All gutters must be carefully constructed to carry off the water.

Where gutters covered with lead are used, they must not be less in any part than 10″ in width, and must have drips not more than 10′ 0″ apart, nor less than 2″ deep in the clear: the fall between the drips being not less than 1½″. Shoots are better than cesspools for carrying water into pipe heads. The shoots to be 6″ deep and about 6″ wide.

In parapets outlets should be provided to carry off any overflowing occasioned by rapid thaws or otherwise, and snow guards should be laid over all lead gutters in such a position as to allow the easy flow of water. Wherever possible gutters should be laid upon solid incombustible foundations.

Rainwater Pipes.—Lead rainwater pipes are better than iron, they are very durable, and they require no paint. Rectangular or other pipes which have a flat surface next the wall should not be used in iron.

All rainwater pipes should empty through shoes above the surface over gulley traps leading to drains below.

Entrances.—Wherever possible, the principal entrances should admit to a broad open space at the west end of the Church. Each principal entrance should have a porch with inner and outer doors.

Vestries.—It is convenient that there should be one vestry for the clergy and another for the choir. They should be near to the Chancel and to one another, and so placed that it is possible to pass from one to the other without entering the Church.

The Tower and Bells.—Unless there is money to do everything well, a tower should not be attempted. A good tower is a costly thing, but it is not a necessity, and it is therefore better to go without than to waste money on a poor one. Every Parish Church should have at least two bells, and they may be hung in a turret or in a gable where there is no tower to receive them.

The Chancel.—Every Church must have a Chancel of sufficient size to allow space for decent ministration at the Holy Table, and for the accommodation of the clergy and singers according to the needs of the place. That there may be room for two rows of seats with desks on each side, a new Chancel should not be less than 18′ 0″ wide. Square ends are generally better than apses.

The Furniture of the Chancel.—In order that Churches may be kept open, it is desirable that every Chancel should be protected by a screen. The Holy Table should be of size according to that of the Chancel, but not less than 7′ 0″ long. The height should be from 3′ 4″ to 3′ 6″. The Holy Table should be of good material, and it is best that it be plain in treatment. The choir desks must not be so high as to make kneeling at them inconvenient. There must be a rail or kneeling desk convenient for communicants. It should not be more than 2′ 3″ in total height, and should be set back not less than 12″ from the front edge of the step on which it stands. The rail should not be less than 5′ 0″ away from the choir desks, and there must be a level space of at least 4′ 0″ between it and the step next east of it.

STEPS AND FLOOR LEVELS.—The Chancel need not be raised above the level of the nave. There must be only one step at the Communion rail. The foot-pace must be of such a width as to allow of a clear space of 3′ 0″ in front of the Holy Table, and, where there are other steps between that and the Communion rail, the two next below the foot-pace must each be not less than 1′ 6″ wide.

FLOORS.—Stone and marble make good pavements for Chancels, and may be used for passages and other spaces where there are no seats. Hard wood block paving over concrete forms the best floor under pews, and if it be used also in passages the passages should be clearly defined.

FONT.—The Font should be of stone or marble according to the canon. It must be large enough to admit of the immersion of infants, and if of porous material must be lined with lead, and must have a decent cover and be provided with a plug and waste pipe to a dry well not connected with any drain. The Font must be placed in a conspicuous position near the west end of the Church, and must have a space round it sufficient for the minister and others engaged there. It should be raised above the general floor level by at least one step.

PASSAGES.—The passage up the middle of the nave should generally be not less than 5′ 0″ wide, and even in the smallest Churches not less than 4′ 0″. Side passages should be not less than 3′ 0″. When the passages are not less than 6′ 6″ wide one row of chairs can be placed there, and when not less than 8′ 0″ two rows, and these may be shown on the plan and reckoned in the accommodation.

PEWS.—All seats in the nave and its aisles must face eastward.

Pews should be spaced at not less than 3′ 0″ from centre to centre, but the Society will sanction a spacing of not less than 2′ 10½″, provided that the section printed at the end of these rules be strictly followed. The backs should be not more than 2′ 8″ high from the floor, and must be open below the seats so that a brush may pass under, except in the case of the western pew in a block, which may be closed to the floor. Backs must not slope more than 1″ in the height from the seat to the top, and must not have any moulding or capping projecting on the side towards the seat. Seat boards should be not less than 14″ wide, and may be horizontal or very slightly sloped. Mats or low hassocks should be provided for kneeling. In setting out the lengths of pews 1′ 8″ must be allowed for each person, and in pews for four persons or less the thickness of the ends must be added. In pews for between four and eight persons the thickness of one end should be added. For more than eight persons nothing need be added for the ends. No pew must be more than 20′ 0″ long, and all over 10′ 0″ must be open at each end.

Apart from the choir, all seats must be for the use of adults.

CHAIRS.—Chairs may be used instead of pews provided that they be set out with the same allowance of space. But chairs may sometimes be placed where fixed seats should not be. In side chapels chairs are generally more convenient than pews.

GALLERIES.—Side galleries must not be used, but under certain conditions west galleries may be allowed. In such cases the access to the galleries must be by wide, easy, and well lighted stairs.

THE PULPIT.—The pulpit should be placed on one side near the east end of the nave. In a large Church a canopy or sounding-board is useful.

ORGAN.—Although it may not be intended to put an organ into a Church at first, provision for the addition of one should be made in the plan. The organ place should not be cramped or closely shut in, but should be large enough for the instrument to stand free in it, and well open towards the Church. It is also desirable that the player should be placed where he may hear the instrument properly and, if necessary, direct the singing.

ARTIFICIAL LIGHTING.—It is generally better to light a Church by pendants from the roof than by standards from the floor. Pipes or wires below the floor and difficult to get at for repairs should not be used. Lines of gas jets, following strings or other architectural features, cannot be allowed, as being injurious to the structure.

WARMING.—The first necessity for the proper warming of a Church is that the roofs should be made so as to afford sufficient protection from external cold. Warming pipes should not be placed below grates in the floor where dirt may be swept down upon them. Warming by water at high pressure often leads to accidents. The system of warming proposed should be indicated on the plans.

VENTILATION.—A Church should not depend on its windows for ventilation, for the casements are generally kept shut, and, if painted glass is put in, they are taken away. It is a good plan to put air inlets to the sills of the windows, and outlets in the roof with an upcast shaft in the tower, where it can be had.

STORAGE.—There should be some place provided in or near every Church where articles required for use only occasionally may be stored safely.

LIGHTNING CONDUCTORS.—All but very low Churches should be protected by lightning conductors terminating above their highest points, and with proper connection with the ground.

OF OLD CHURCHES.

An ancient Church is a monument of art and of history, and should be respected as such, even though, regarded as a building intended for use and still used, it may from time to time be necessary to alter it and adapt it to new requirements. It must be repaired when it needs it, and as new wants arise they must be met, but in all this its value as an ancient building must be kept in view. Much mischief done to ancient Churches has come neither from repairs nor from provision for new wants, but from the attempt to make the old buildings look like new ones according to the prevailing fashion of the time. This has come to be called "Restoration," though in most cases it has taken the Churches further from their old state than they ever were before. The Society does not refuse grants towards the repair of old Churches, but will not help "restoration" of this kind.

It is not possible to lay down absolute rules as to the treatment of old buildings, each of which must be considered by itself, but the following requirements are of general application:—

No ancient work is to be pulled down for re-building if it can be properly repaired as it stands.

Old masonry must not be re-worked, scraped, or scoured in a way which will remove the surface of the stone.

Rubble walls ought not to be stripped of their ancient plaster, internal or external, but the plaster should be repaired or renewed if it needs it.

Old carpentry and joiner's work which has been painted may have the paint cleaned off so that the wrought surface is not injured, but no woodwork is to be scraped, stained, oiled, or varnished.

Old work may be repaired according to its original forms where it needs it, but when entirely new work is introduced, the new must not be made to imitate the old, but must shew itself plainly to be of a different time.

Old furniture is not to be taken to pieces or moved to new places, but is to be repaired where it is, so far as necessary.

Gravestones, if moved, ought to be replaced as near as possible to their original places. If new paving has to be laid it must be adapted to them.

Monuments, and features which have not now any use (an Eastern Sepulchre for example), should be repaired only so far as may be necessary to preserve them as they are now, and should not be mended with new work.

Burial vaults inside Churches should be filled up with sand, and covered over with concrete.

The walls of an old Church should not be cut away to make an "organ chamber" outside.

Warming by means of hot pipes or stoves below the floor must not be used in a Church where there have been burials.

In fitting an old Church for modern use, old arrangements which exist must be respected, but where they are gone the new should be ruled by present requirements, following the directions given as to new Churches so far as the conditions of the buildings admit, as to which each case must be judged by itself.

The ground round an old Church has generally risen some height above the floor level inside. It should be lowered to about six inches below that level for a distance of six feet from the walls, and then the ground sloped up to the present level and the area sufficiently drained.

CIRCLES—PROPERTIES OF.

Circumference	=	Diameter	×	3·14159
,,	=	Radius	×	6·28318
,,	=	Sq. root of area	×	3·5446
Diameter	=	Circumference	×	0·3183
,,	=	Sq. root of area	×	1·128379
Radius	=	Circumference	×	0·1591
,,	=	Sq. root of area	×	0·564
Area	=	Diam. squared	×	0·7854
,,	=	Radius squared	×	3·1416
,,	=	Circum. squared	×	0·0796
Side of equal sq.	=	Diameter	×	0.8862
Side of inscribed sq.	=	Diameter	×	0·7071
Diameter of cir. of equal area to square	=	Side of Square	×	1·1283
Leng. of Arc	=	no. of degrees × radius	×	0·01745

Circles—*continued.*

TO FIND THE DIAMETER OF A CIRCLE TO WHICH ANY SEGMENT BELONGS.

$$\text{Diameter} = \frac{\text{half chord squared}}{\text{height}} + \text{height.}$$

TO FIND AREA OF ANY SEGMENT OF A CIRCLE.

$$\text{Area} = \frac{\text{height} \times 2 \times \text{chord}}{3} + \frac{\text{height cubed}}{2 \times \text{chord}}$$

CIRCUMFERENCES AND AREAS OF CIRCLES.

To find a circumference of a circle of greater diameter, divide into two or more parts, and add together their tabulated circumferences.

To find area of a circle whose diameter is double that of any in the table, multiply the tabulated area by four, if three times by nine.

Dia.	Cir.	Area.	Dia.	Cir.	Area.
1	3·14	·7854	11	34·55	95·03
¼	3·93	1·23	¼	35·34	99·40
½	4·71	1·77	½	36·12	103·87
¾	5·50	2·40	¾	36·91	108·43
2	6·28	3·14	12	37·69	113·09
¼	7·07	3·98	¼	38·48	117·86
½	7·85	4·90	½	39·27	122·72
¾	8·64	5·94	¾	40·05	127·66
3	9·42	7·06	13	40·84	132·73
¼	10·21	8·29	¼	41·62	137·88
½	10·99	9·62	½	42·41	143·14
¾	11·78	11·04	¾	43·19	148·49
4	12·56	12·56	14	43·98	153·94
¼	13·35	14·18	¼	44·76	159·48
½	14·13	15·90	½	45·55	165·13
¾	14·92	17·72	¾	46·33	170·87
5	15·70	19·64	15	47·12	176·71
¼	16·49	21·65	¼	47·90	182·65
½	17·27	23·76	½	48·69	188·69
¾	18·06	25·97	¾	49·48	194·82
6	18·84	28·27	16	50·26	201·06
¼	19·63	30·68	¼	51·05	207·39
½	20·42	33·18	½	51·83	213·82
¾	21·20	35·78	¾	52·62	220·35
7	21·99	38·48	17	53·40	226·98
¼	22·77	41·28	¼	54·19	233·70
½	23·56	44·18	½	54·97	240·53
¾	24·34	47·17	¾	55·76	247·45
8	25·13	50·26	18	56·54	254·57
¼	25·91	53·46	¼	57·33	261·58
½	26·70	56·74	½	58·11	268·80
¾	27·48	60·13	¾	58·90	276·11
9	28·27	63·62	19	59·69	283·53
¼	29·05	67·20	¼	60·47	291·04
½	29·84	70·88	½	61·26	298·64
¾	30·63	74·66	¾	62·04	306·35
10	31·41	78·54	20	62·83	314·16
¼	32·20	82·52	¼	63·61	322·06
½	32 98	86·59	½	64·40	330·06
¾	33·77	90·76	¾	65·18	338·16

CISTERNS and TANKS.

GALVANIZED OPEN CISTERNS.

Galls.	Length.	Width.	Depth.	Quality made.
20	1·8	1·3	1·6	18 gauge to ⅛ plate.
25	2·0	1·5	1·5	
30	2·0	1·6	1·7	
40	2·3	1·8	1·8	
50	2·5	1·10	1·10	
60	2·6	1·11	2·0	
70	2·8	2·2	2·0	
80	2·10	2·3	2·0	
100	3·2	2·3	2·3	18 gauge to 3/16 plate.
125	3·4	2·7	2·4	16 ,, ,,
150	3·6	2·7	2·8	
175	3·8	2·9	2·9	
200	3·10	2·11	2·11	
250	4·2	3·3	3·0	
300	4 6	3·7	3·0	
350	5·0	3·9	3·0	14 gauge to 3/16 plate.
400	5·10	3·9	3·0	
500	6·6	4·1	3·0	12 gauge to 3/16 plate.
600	7·6	4·1	3·2	
800	8·3	4·5	3·6	⅛ plate to 3/16 plate.
1000	8·3	4·11	4·0	

Made 18 gauge, 16 gauge, 14 gauge, 12 gauge, ⅛ plate, 3/16 plate. Sizes before galvanizing.

Enamelled fireclay or stoneware cisterns are preferable for drinking water.

All cisterns should be inside building, should be encased and have dust-tight covers. Overflow should be twice the size of service pipe, and discharge into open air.

W.C.s should have a separate water waste preventing cistern.

COAL.

STORAGE SPACE PER TON.

Navy allowance, 48 c. ft.

Average, 45 c. ft.

Reckon 4 ft. as average height for storage in Cellars. Doors, etc., should open out and have removable boards in grooves.

Coal—*continued.*

WEIGHT PER C. FT.

Anthracite, 55 to 60 lbs.
Bituminous, 50 to 53 lbs.

1 Cwt. = 112 lbs.
1 Sack = 2 cwt.
1 Ton = 10 sacks.
1 Barge or Keel = 21 tons 4 cwt.
1 Shipload = 20 keels or 424 tons.
1 Room = 140 cwt. or 7 tons.

Coal yields 60 to 70 per cent. of Coke by weight.

COKE.

1 Sack = 4 bushels.
1 Chaldron = 12 sacks.
1 Score = 21 chaldrons.

COLUMNS.

Safe load $\frac{1}{10}$ of breaking weight.

Steel Columns are about twice the strength of iron.

Length should not exceed 30 diameters, preferably 20.

Thickness of hollow columns should not be less than ¾ in., preferably 1 in. and not less than $\frac{1}{12}$ to $\frac{1}{15}$ the diameter.

Specify for testing by drilling small holes in shaft, and for defective castings to be broken up.

Stancheons are preferable to hollow columns, as thickness throughout and defects can be seen.

Solid columns are seldom used except of small diameter owing to inequality from the more rapid cooling of the outside than of the centre.

Fixing to stone should be on a bed of neat cement or 10 lb. lead seating. When columns and stancheons stand on one another, the faces of flanges should be turned perfectly true in a lathe.

SAFE LOAD AT ABOUT $\frac{1}{10}$ BREAKING WEIGHT in Tons and Cwts. Ends flat and fixed.

HOLLOW IRON COLUMNS.

Length in Feet.

External Diam. in Ins.	Thickness of Metal.	8	10	12	14	16	18	20	25
		T. C.	T. C.	T. C.	T. C.	T. C.	T. C.	T. C.	T. C.
3	½	4·0	3·4	2·7	1·15	1·8	1·3	1·0	·14
3	3/8	4·14	3·10	2·12	2·0	1·12	1·6	1·2	·16
3	5/16	5·8	3·16	2·16	2·4	1·14	1·8	1·3	·17
4	½	8·0	6·0	4·14	3·12	3·8	2·16	2·3	1·10
4	3/8	9·5	7·5	5·10	4·10	3·18	3·5	2·15	1·15
4	5/16	11·5	8·10	6·10	4·15	3·15	3·5	2·15	1·15
4	¼	12·15	9·10	7·5	5·15	4·10	3·15	3·3	2·0
4	1	14·0	10·10	8·0	6·10	4·15	4·0	3·5	2·5
5	½	13·5	10·7	8·5	6·12	5·6	5·0	4·0	2·12
5	3/8	16·0	12·15	9·0	8·0	7·0	6·0	5·0	3·10
5	¼	18·15	14·15	11·12	9·0	7·12	6·10	5·12	3·15
5	⅛	21·5	16·15	13·5	10·15	8·15	7·10	6·0	4·0
5	1	23·10	18·10	14·15	11·16	9·10	7·10	6·8	4·5
5	1½	27·10	21·15	17·5	14·0	10·15	8·15	7·10	4·10
6	½	19·0	15·10	12·12	9 10	8·13	7·7	6·3	4·5
6	3/8	23·5	19·0	15·10	12·15	10·10	9·0	7·10	5·15
6	5/16	27·0	22·5	18·5	15·0	12·10	10·6	8·12	6·7
6	¼	31·0	25·10	20·15	17·0	14·5	12·0	10·5	7·0
6	1	34·10	28·5	23·3	19·0	15·15	13·4	11·3	7·10
6	1½	41·0	33·10	27·10	22·15	18·15	15·15	13·10	8·15
6	1¾	46·10	38·5	31·5	26·0	21·10	18·0	15·5	10·10
7	½	30·15	26·0	22·0	18·10	15·10	13·5	11·10	9·0
7	3/8	36·0	30·10	25·15	21·12	18·6	15·14	12·10	9·0
7	¼	41·0	34·15	29·5	24·10	21·0	17·15	15·5	10·15
7	1	46·3	39·0	33·0	27·15	23·10	20·0	17·5	11·0
7	1½	55·5	46·15	39·10	33·0	28·4	24·0	20·10	14·0
7	1¾	63·10	53·15	45·5	38·5	32·10	27·10	23·15	16·15
8	½	38·10	33·10	28·15	24·15	21·10	18·10	16·0	13·0
8	3/8	45·0	39·0	34·0	29·0	25·0	21·15	18·15	13·15
8	¼	52·0	45·0	39·0	33·0	29·0	25·0	21·15	16·15
8	1	58·0	50·0	43·0	37·0	32·0	28·0	24·10	16·10
8	1½	70·0	61·0	51·0	45·0	39·0	33·15	29·10	21·5
8	1¾	81·0	70·0	61·0	52·0	45·0	39·0	34·0	24·10
9	½	54·0	48·0	43·0	37·0	33·0	29·0	24·0	18·10
9	⅝	63·0	55·5	49·10	43·0	37·5	32·0	29·0	21·2
9	1	70·10	62·10	55·6	48·0	42·6	37·0	32·10	23·0
9	1½	85·0	76·0	66·10	58·6	51·0	44·10	39·10	29·0
9	1¾	99·0	88·0	77·10	67·10	59·10	52·0	45·10	33·10
10	⅝	73·10	66·10	59·10	53·0	47·0	41·10	37·0	28·0
10	1	82·10	75·0	67·0	59·10	53·0	47·0	41·10	31·10
10	1½	100·10	91·0	81·10	72·10	64·0	57·0	50·10	38·0
10	1¾	117·0	106·0	95·0	84·10	75·0	66·10	59 0	44·10
11	1	95·0	87·0	79·0	71·10	64·0	57·10	51·10	39·10
11	1½	115·10	106·0	96·0	87·0	78·0	70·0	63·0	48·0
11	1¾	135·10	124·0	113 0	102·0	91·10	82·0	73·10	56·10
12	1	107·0	97·0	91·10	83 0	76·0	68 10	62·0	48·10
12	1½	131·0	118·10	112·0	101 0	93·0	84·0	76·0	59·0
12	1¾	153·10	139·0	131·0	118 10	108·10	98·10	89·0	69·0

Columns—*continued.*

SOLID IRON COLUMNS.

Diam. in Inches.	Length in Feet. 8	10	12	14	16	18	20
	T. C.	T. C.	T. C.	T. C.	T. C.	T. C.	T. C.
1½	·10	·6	·5	·4	·3	·2	·1
1¾	·17	·12	·8	·6	·5	·4	·3
2	1·8	·19	·14	·11	·9	·7	·6
2¼	2·3	1·9	1·1	·16	·13	·10	·9
2½	3·2	2·3	1·11	1·4	·19	·16	·13
2¾	4·9	3·1	2·5	1·14	1·7	1·2	·19
3	6·2	4·3	3·1	2·7	1·17	1·10	1·5
3½	10·12	7·5	5·6	4·2	3·5	2·13	2·4
4	17·3	11·14	8·12	6·12	5·6	4·6	3·12
4½	23·4	17·18	13·3	10·2	8·1	6·12	5·10
5	34·14	26·4	19·4	14·15	11·15	9·13	8·1
5½	41·10	33·6	27·2	20·16	16·12	13·12	11·7
6	53·0	43·0	37·1	28·10	22·14	18·12	15·11
6½	66·10	54·16	45·2	38·0	30·6	24·16	20·15
7	81·0	67·0	56·4	49·13	39·10	32·7	27·1
7½	97·10	81·10	68·10	58·10	50·10	41·10	34·14
8	115·10	97·10	83·0	71·0	64·0	52·10	43·10
8½	135·10	115·10	98·10	85·0	74·0	65·0	54·10
9	158·10	130·0	117·10	101·10	88·10	80·0	66·10
9½	180·10	156·0	135·0	117·10	102·10	90·10	81·10
10	205·10	178·10	155·10	136·0	119·0	105·10	94·0
11	273·0	241·0	214·10	189·0	166·10	148·0	132·0
12	337·0	360·0	269·0	238·10	212·10	191·10	171·10
13	408·10	368·10	331·10	296·10	266·10	241·10	214·10
14	470·10	442·10	402·0	361·10	327·0	298·0	270·10
15	571·10	524·0	479·0	433·10	394·10	362·0	330·0

HODGKINSON'S FORMULA.

(Ends flat and fixed).

Where D = Diameter of Column in inches.
,, d = Internal diameter of column in inches.
,, L = Length of column in feet.
,, W = Breaking Weight in tons.

$$\text{Solid Columns, } W = 44{\cdot}16 \frac{D}{L^{1.7}}$$

$$\text{Hollow Columns, } W = 44{\cdot}16 \frac{D^{3.6} - d^{3.6}}{L^{1.7}}$$

The strength of a Hollow Column nearly equals the difference between that of two solid columns the diameters of which are equal to the external and internal diameters of the hollow one.

Strength of short Column in which L is less than 30 D. Let W = breaking weight of Column as found from formula above. C = crushing force per square inch of section of the metal × sectional area of column.

$$\text{Then corrected breaking weight} = \frac{W\,C}{W + \frac{3}{4}\,C}$$

The crushing strength of Cast Iron per square inch of section is 40 tons.

See also "STANCHEONS."

CONCERT ROOMS.

If used for BALLS AND RECEPTIONS a flat floor necessary. If CONCERT ROOM only then regular slope upwards to the back. Wall surface should be broken up, and end of room should be curved rather than flat to prevent echo.

The ORCHESTRA should be arranged with the side walls widening towards the front; the seats should be in the form of a segment of a circle, that CHORUS SINGERS may all face the conductor, and the band in front of the chorus.

The ORCHESTRA GALLERY should allow for band 3 ft. 2 in. in width for each row, with 8 in. rise bottom row, and increasing in rise by 2 in. for each successive row above.

The CHORUS requires 2 ft. 6 in. each row, and a rise of 1 ft. 3 in. to each.

ORGAN SPACE required for a modern concert organ 300 sq. ft.; weight, 20 tons and upwards (not counting bellows). Height required about 36 ft. above sound board. Best position for organ, centre of orchestra at the back, and low down. Best position for organ key board and organinst in front of band, which is possible with electric or pneumatic action.

CONCRETE.

Concrete should be mixed dry, then only sufficient water added to moisten the whole, and again thoroughly mixed.

It should be made in small quantities and used fresh.

LIME CONCRETE should consist of Grey stone, or Blue Lias Lime 1 part, Ballast or broken bricks 4 or 5 parts, and Sand 1 or 2 parts.

Concrete—*continued.*

CEMENT CONCRETE may consist of Portland Cement 1 part, Ballast or broken bricks 5 parts, and Sand 2 parts; or, Selinitic Cement 1 part, Portland Cement ½ part, Ballast or Broken Bricks 7 or 8 parts, and Sand 2 or 3 parts.

THE SELINITIC CEMENT should be used in accordance with the printed instructions of the manufacturers.

See also "LIMES AND CEMENTS."

CONDITIONS FOR BUILDING CONTRACTS.*

[COPYRIGHT, R.I.B.A.]

Sanctioned by the Royal Institute of British Architects, 13th May, 1895.

NOTE.—This form is applicable WHERE QUANTITIES DO NOT FORM PART OF THE CONTRACT, and requires to be varied, and to have the blanks filled in to meet the special circumstances of each contract.

ARTICLES OF AGREEMENT made the day of 19 Between of in the County of (hereinafter called "the Employer") of the one part and of and of in the County of Builder† (hereinafter called "the Contractor") of the other part. WHEREAS the Employer is desirous of‡ a messuage and premises at and has caused Drawings and a Specification describing the work to be done to be prepared by of , his Architect: AND WHEREAS the said Drawings numbered 1 to inclusive and the Specification marked "A" have been signed by or on behalf of the parties hereto; AND WHEREAS the Contractor has agreed to execute upon and subject to the Conditions set forth in the Schedule hereto (hereinafter referred to as "the said Conditions") the works shown upon the said Drawings and described in the said Specification for the sum of £ ; NOW IT IS HEREBY AGREED AS FOLLOWS:—

1. In consideration of the sum of £ to be paid at the times and in the manner set forth in the said Conditions, the Contractor will upon and subject to the said Conditions execute and complete the works shown upon the said Drawings and described in the said Specification.

2. The Employer will pay the Contractor the said sum of £ or such other sum as shall become payable hereunder at the times and in the manner specified in the said Conditions.

3. The term "the Architect" in the said Conditions shall mean the said or, in the event of his death or ceasing to be the Architect for the purpose of this Contract, such other person as shall be nominated for that purpose by the Employer, not being a person to whom the Contractor shall object for reasons considered to be sufficient by the Arbitrator mentioned in the said Conditions. Provided always that no person subsequently appointed to be Architect under this Contract shall be entitled to disregard or overrule any decision or approval or direction given or expressed by the Architect for the time being.

4. Any reference in the said Conditions to the Bills of Quantities shall not have the effect of constituting them part of this Contract.

5. The said Conditions shall be read and construed as forming part of this Agreement, and the parties hereto will respectively abide by and submit themselves to the conditions and stipulations, and perform the agreements on their parts respectively in such Conditions contained.

As witness our hands this day of 19 .

Signed in the presence of

SCHEDULE OF CONDITIONS.

1.—The works shall be carried out in accordance with the direction and to the reasonable satisfaction of the Architect in accordance with the said Drawings and Specification, and in accordance with such further drawings, details, and instructions in explanation of the same as may from time to time be given by the Architect. The Contract Drawings and Specification shall remain in the custody of the Architect, and shall be produced by him at his office as and when required by the Employer or by the Contractor.

* To be obtained at the office of the Institute, price One Shilling.

† Insert "s and co-partners" if such is the fact.

‡ Insert "erecting" or "restoring" or "adding to" as the case may be.

Conditions, etc.—*continued.*

2.—One complete copy of all Drawings and of the Specification shall be furnished by the Architect free of cost to the Contractor for his own use. The Architect shall furnish to the Contractor, within days after the receipt by him of a request for the same, any details which in the opinion of the Architect are necessary for the execution of any part of the work, such request to be made only within a reasonable time before it is necessary to execute such work in order to fulfil the Contract. Such copies and details shall be kept on the works until the completion thereof, and the Architect or his representative shall at all reasonable times have access to the same, and they shall be returned to the Architect by the Contractor on the completion of the Contract.

3.—The Contractor shall on the signing hereof furnish the Architect with a verified* copy of the original estimate for his sole use or that of the Surveyor appointed as in Clause 13 hereof, and for the purposes only of this Agreement.

4.—The Contractor shall provide everything necessary for the proper execution of the works, according to the true intent and meaning of the Drawings and Specification taken together, whether the same may or may not be particularly shown on the Drawings or described in the Specification, provided that the same is reasonably to be inferred therefrom; and if the Contractor find any discrepancy in the Drawings, or between the Drawings and Specification, he shall immediately refer the same to the Architect, who shall decide which shall be followed. Figured dimensions are to be followed in preference to the scale.

5.—The Contractor shall conform to the provisions to any act of Parliament relating to the works, and to the regulations and by-laws of any Local Authority, and of any Water and Lighting Companies with whose systems the structure is proposed to be connected, and shall, before making any variation from the Drawings or Specification that may be necessitated by so conforming, give to the Architect written notice, specifying the variation proposed to be made, and the reason for making it, and apply for instructions thereon. In case the Contractor shall not in due course receive such instructions he shall proceed with the work, conforming to the provision, regulation, or by-law in question, and any variation so necessitated shall be dealt with under Clause 13. The Contractor shall give all notices required by the said Acts, regulations, or by-laws to be given to any Local Authority, and pay all fees payable to any such Authority, or to any public officer in respect of the works.

6.—The Contractor shall set out the works, and during the progress of the building shall amend at his own cost any errors arising from inaccurate setting out, unless the Architect shall decide to the contrary.

7.—All materials and workmanship shall be of the respective kinds described in the Specification, and the Contractor shall upon the request of the Architect furnish him with vouchers to prove that the materials are such as are specified.

8.—The Contractor shall keep constantly on the works a competent general foreman, and any directions or explanations given by the Architect to such foreman shall be held to have been given to the Contractor.

9.—The Contractor shall, on the request of the Architect, immediately dismiss from the works any person employed thereon by him who may, in the opinion of the Architect, be incompetent or misconduct himself, and such person shall not be again employed on the works without the permission of the Architect.

10.—The Architect and any person authorised by him shall at all reasonable times have access to the works, and the Architect and his representatives shall at like times have access to the workshops of the Contractor or other places where work is being prepared for the building.

11.—The Clerk of Works shall be considered to act solely as inspector and under the Architect, and the Contractor shall afford him every facility for examining the works and materials.

12.—The Contractor shall not vary from the Drawings or Specification except as provided by Clause 5, or by the authority of the Architect, which is to be sufficiently proved by any writing or drawing given by him or by any subsequent written approval by him. If the work shown on any of the details or the further drawings of details

* The word "sealed" to be inserted if so agreed

Conditions, etc.—*continued.*

referred to in Clause 1, or necessary to comply with any instructions, directions, or explanations which may be given from time to time by the Architect, be, in the opinion of the Contractor, in excess of that comprised in the Contract, he shall, before proceeding with such work, give notice in writing to this effect to the Architect. In the event of the Architect and Contractor failing to agree as to whether or not there is any excess, and of the Architect's deciding that the Contractor is to carry out the said work, the Contractor shall accordingly do so, and the question whether or not there is any excess, and if so the amount thereof, shall, failing agreement, be settled by the Arbitrator as provided in Clause 32, and the Contractor shall be paid accordingly. No claim for an extra shall be allowed unless it shall have been executed under the provisions of Clause 5, or by the authority of the Architect as herein mentioned. Any such extra is hereinafter referred to as an authorised extra.

13.—No variations shall vitiate the Contract; but all authorised extras for which a price may not have been previously agreed, and any omission which may have been made with the knowledge of the Architect, or without his knowledge, provided he subsequently give a written sanction to such omission, shall be measured and valued, as hereinafter provided by* ; and a copy of such measurement and valuation shall be given to the Contractor. The fees for so measuring and valuing the variations shall be added to the contract sum. If in the opinion of the Architect the work cannot be properly measured and valued, day-work prices shall be allowed therefor, provided that vouchers specifying the time and material employed shall have been delivered for verification to the Architect, or his nominee, at or before the expiration of the week following that in which such work shall have been done. The variations shall be valued at the rates contained in the Contractor's original estimate, or, where the same may not apply, at rates proportionate to the prices therein contained. The amount to be allowed on either side in respect of the variations so ascertained shall be added to or deducted from the contract sum as the case may be.

14.†—The fees for the Bills of Quantities and the Surveyor's expenses (if any) stated therein shall be paid by the Contractor to the Surveyor named therein out of and immediately after receiving the amount of the certificate or certificates in which they shall be included. The fees chargeable under Clause 13 shall be paid by the Contractor before the issue by the Architect of the certificate for the final payment. If the Contractor fails or neglects to pay as herein provided, then the Employer shall be at liberty, and is hereby authorised, to do so on the certificate of the Architect, and the amount so paid by the Employer shall be deducted from the amount otherwise due to the Contractor.

15.—When the Contractor shall have received payment of any certificate in which the Architect shall have stated that he has taken into account the value of any unfixed materials intended for the works, and placed by the Contractor thereon, or upon ground adjacent thereto, all such materials shall become the property of the Employer, and shall not be taken away, except for the purpose of being used on the building, without the written authority of the Architect; and the Contractor shall be liable for any loss of or damage to such materials.

16.—The Architect shall, during the progress of the works, have power to order in writing from time to time the removal from the works, within such reasonable time or times as may be specified in the order, of any materials which in the opinion of the Architect are not in accordance with the Specification or the instruction of the Architect, the substitution of proper materials, and the removal and proper re-execution of any work executed with materials and workmanship not in accordance with the Drawings and Specification or instructions; and the Contractor shall forthwith carry out such order at his own cost. In case of default on the part of the Contractor to carry out such order, the Employer shall have power to employ and pay other persons to carry out the same; and all expenses consequent thereon or incidental thereto shall be borne by the Contractor, and shall be recoverable from him by the Employer, or may be deducted by him from any moneys due or that may become due to him.

* Insert "the Architect," or the name of a Surveyor.

† In cases where the Surveyor is engaged by the Employer to be paid direct by him this clause will come out

Conditions, etc.—*continued.*

17.—Any defects, shrinkage, or other faults which may appear within months from the completion of the works, arising in the opinion of the Architect from materials or workmanship not in accordance with the Drawings and Specifications or the instructions of the Architect, or any damage to pointing by frost appearing within the like period, shall upon the directions in writing of the Architect, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor at his own cost, unless the Architect shall decide that he ought to be paid for the same; and in case of default the Employer may employ and pay other persons to amend and make good such defects, shrinkage, or other faults or damage, and all expenses consequent thereon or incidental thereto shall be borne by the Contractor and shall be recoverable from him by the Employer, or may be deducted by him from any moneys due or that may become due to the Contractor. Should any defective work have been done or material supplied by any sub-contractor or other person employed on the works who has been nominated or approved by the Architect, the Contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor, and been subject to the provisions of this and the preceding clause.

18.—The Contractor shall, at the request of the Architect, within such time as the Architect shall name, open for inspection any work covered up; and should the Contractor refuse or neglect to comply with such request, the Architect may employ other workmen to open up the same. If the said work has been covered up in contravention of the Architect's instructions, or if on being opened up it be found not in accordance with the Drawings and Specification or the instructions of the Architect, the expenses of opening and covering it up again, whether done by the Contractor, or such other workmen, shall be borne by, and recoverable from, the Contractor, or may be deducted as aforesaid. If the work has not been covered up in contravention of such instructions, and be found in accordance with the said Drawings and Specification or instructions, then the expenses aforesaid shall be borne by the Employer and be added to the Contract sum: provided always that in the case of foundations, or of any other urgent work so opened up and requiring immediate attention, the Architect shall, within a reasonable time after receipt of notice from the Contractor that the work has been so opened, make, or cause the inspection thereof to be made, and at the expiration of such time, if such inspection shall not have been made, the Contractor may cover up the same, and shall not be required to open it up again for inspection except at the expense of the Employer.

19.—The Contractor shall not, without the written consent of the Architect, assign this Agreement or sublet any porton of the works.

20.—No sub-contractor or other person nominated by the Architect shall be employed upon the works against whom the Contractor shall make what the Architect considers reasonable objection, or who will not enter into a contract with the Contractor guaranteeing the due performance of his work, and indemnifying the Contractor against any claims arising out of misuse by the sub-contractor or his workmen of any scaffold erected or plant employed by the Contractor, or that may be made against the Contractor in consequence of any act, omission, or default of the sub-contractor, his servants, or agents.

21.—The Contractor shall be responsible for all structural and decorative damage to property, and for injury caused by the works or workmen to persons, animals, or things, and shall hold the Employer harmless in respect thereof. He shall also be responsible for all injuries caused to the buildings, the subject of this Contract, by frost, or other inclemency of weather, and shall reinstate all damage caused by the same, and thoroughly complete the whole of the works.

22.—(*a*)*The Contractor shall insure the works, and keep them insured until they are delivered up, against loss or damage by fire, in an office to be approved by the Architect, in the joint names of the Employer and Contractor, for the full value of the works executed, and shall deposit with the Architect the policies and receipts for the premiums paid for such insurance; and in default the Employer may insure the works and deduct the premium paid from any moneys due or which may become due. All moneys received under such policies are to be paid to the Contractor by instalments on the certificates of the Architect, and to be applied in or towards the rebuilding or reparation of the works destroyed or injured. The Contractor shall, as soon as the claim under the policy is settled, proceed with all due diligence with the rebuilding or reparation, and shall not be entitled to any payment in respect thereof other than the said moneys received, but such extension of the time hereinafter mentioned for completion shall be made as shall be just and reasonable. (*b*) The whole building and the works executed under this Contract shall be at the sole risk of the Employer as regards any loss or damage by fire, and in the event of any such loss or damage being so occasioned which affects the original building or structure in addition to the new work, the Contractor shall be entitled to receive from the Employer the full value of all work then executed and materials then delivered, calculated in the manner provided for by Clause 13 hereof, and this Contract, so far as it relates to any subsequent work, may at the option of either party be determined if in the opinion of the Arbitrator such determination shall be just and equitable.

* Clause (*a*) or (*b*) to be struck out to suit circumstances.

Conditions, etc.—*continued.*

23.—Possession of the site (or premises) shall be given to the Contractor on or before the day of . He shall begin the works immediately after such possession, shall regularly proceed with them, and shall complete the same (except painting and papering or other decorative work which in the opinion of the Architect it may be desirable to delay) by the day of , subject nevertheless to the provisions for extension of time hereinafter contained.

24.—If the Contractor fail to complete the works by the date named in Clause 23, or within any extended time allowed by the Architect under these presents, and the Architect shall certify in writing that the works could reasonably have been completed by the said date, or within the said extended time, the Contractor shall pay or allow to the Employer the sum of £ sterling per* as liquidated and ascertained damages for every * beyond the said date or extended time, as the case may be, during which the works shall remain unfinished, except as provided by Clause 23, and such damages may be deducted by the Employer from any moneys due to the Contractor.

25.—If in the opinion of the Architect the works be delayed by *force majeure* or by reason of any exceptionally inclement weather, or by reason of instructions from the Architect in consequence of proceedings taken or threatened by or disputes with adjoining or neighbouring owners, or by the works or delay of other Contractors or tradesmen engaged or nominated by the Employer or the Architect, and not referred to in the Specification, or by reason of authorised extras or additions, or in consequence of any notice reasonably given by the Contractor in pursuance of Clause 12, or by reason of any local combination of workmen or strikes or lock-out affecting any of the Building trades, or in consequence of the Contractor not having received in due time necessary instructions from the Architect for which he shall have specifically applied in writing, the Architect shall make a fair and reasonable extension of time for completion in respect thereof. In cases of such strike or lock-out the Contractor shall, as soon as may be, give to the Architect written notice thereof. But the Contractor shall nevertheless use his best endeavours to prevent delay, and shall do all that may reasonably be required to the satisfaction of the Architect to proceed with the works.

26.—If the Contractor, except on account of any legal restraint upon the Employer preventing the continuance of the works, or on account of any of the causes mentioned in Clause 25, or in case of a certificate being withheld or not paid when due, shall suspend the works, or in the opinion of the Architect shall neglect or fail to proceed with due diligence in the performance of his part of the Contract, or if he shall more than once make default in the respects mentioned in Clause 16, the Employer by the Architect shall have power to give notice in writing to the Contractor requiring that the works be proceeded with in a reasonable manner and with reasonable dispatch. Such notice shall not be unreasonably or vexatiously given,

* Insert "day" or "week" as may be agreed.

Conditions, etc.—*continued.*

and must signify that it purports to be a notice under the provisions of this clause, and must specify the act or default on the part of the Contractor upon which it is based. After such notice shall have been given the Contractor shall not be at liberty to remove from the site or works, or from any ground contiguous thereto, any plant or materials belonging to him which shall have been placed thereon for the purposes of the works; and the Employer shall have a lien upon all such plant and materials, to subsist from the date of such notice being given until the notice shall have been complied with. Provided always that such lien shall not under any circumstances subsist after the expiration of thirty-one days from the date of such notice being given unless the Employer shall have entered upon and taken possession of the works and site as hereinafter provided. If the Contractor shall fail for days after such notice has been given to proceed with the works as therein prescribed, the Employer may enter upon and take possession of the works and site, and of all such plant and materials thereon (or on any ground contiguous thereto) intended to be used for the works, and all such materials as above mentioned shall thereupon become the property of the Employer absolutely, and the Employer shall retain and hold a lien upon all such plant until the works shall have been completed under the powers hereinafter conferred upon him. If the Employer shall exercise the above power he may engage any other person to complete the works, and exclude the Contractor, his agents and servants, from entry upon or access to the same, except that the Contractor or any one person nominated by him may have access at all reasonable times to inspect, survey, and measure the works. And the Employer shall take such steps as in the opinion of the Architect may be reasonably necessary for completing the works without undue delay or expense, using for that purpose the plant and materials above mentioned in so far as they are suitable and adapted to such use. Upon the completion of the works the Architect shall certify the amount of the expenses properly incurred consequent on and incidental to the default of the Contractor as aforesaid, and in completing the works by other persons. Should the amount so certified as the expenses properly incurred be less than the amount which would have been due to the Contractor upon the completion of the works by him, the difference shall be paid to the Contractor by the Employer; should the amount of the former exceed the latter, the difference shall be paid by the Contractor to the Employer. The Employer shall not be liable to make any further payment or compensation to the Contractor for or on account of the proper use of the plant for the completion of the works under the provisions hereinbefore contained other than such payment as is included in the contract price. After the works shall have been so completed by persons other than the Contractor under the provisions hereinbefore contained, the Employer shall give notice to the Contractor of such completion and may require him from time to time, before and after such completion, to remove his plant and all such materials as aforesaid as may not have been used in the completion of the works from the site. If such plant and materials are not removed within a reasonable time after notice shall have been given, the Employer may remove and sell the same, holding the proceeds, less the cost of the removal and sale, to the credit of the Contractor. Any notice to be given to the Contractor under this clause shall be given by leaving the same at the place of business of the Contractor, or by registered letter sent to him at that address.

27.—The words "Prime Cost" or the initials P.C. applied in the Specification to goods to be obtained and fixed by the Contractor, shall mean, unless otherwise stated in the Specification, the sum paid to the merchant after deducting all trade discount for such goods in the ordinary course of delivery, but not deducting discount for cash, and such sum shall be exclusive of special carriage, the cost of fixing, and Contractor's profit.

28.—The provisional sums mentioned in the Specification for materials to be supplied or for work to be performed by special artists or tradesmen, or for other works or fittings to the building, shall be paid and expended at such times and in such amounts and to and in favour of such persons as the Architect shall direct, and sums so expended shall be payable by the Contractor without discount or deduction, or (without prejudice to any rights of

Conditions, etc.—*continued.*

the Contractor existing under the Contract referred to in Clause No. 20) by the Employer to the said artists or tradesmen. The value of works which are executed by the Contractor in respect of provisional sums, or in additional works, shall be ascertained as provided by Clause 15. At the settlement of the accounts the amount paid by the Contractor to the said artists or tradesmen, and the said value of such works executed by the Contractor, shall be set against all such provisional sums or any sum provided for additional works, and the balance shall be added to or deducted from the contract sum.

29.—The Contractor shall, unless otherwise stated in the Specification, provide and erect all necessary scaffolding and plant for the due execution by the artists and tradesmen referred to in the preceding clause of the work entrusted to them. He shall also permit of the execution of work by any other artists or tradesmen who may be engaged by the Employer.

30.—The Contractor shall be entitled under the certificates to be issued by the Architect to the Contractor and within days of the date of each certificate, to payment by the Employer from time to time by instalments, when in the opinion of the Architect work to the value of £ (or less at the reasonable discretion of the Architect) has been executed in accordance with the contract, at the rate of per cent. of the value of work so executed in the building, until the balance retained in hand amounts to £ (x), after which time the instalments shall be up to the full value of the work subsequently executed. The Contractor shall be entitled, under the Certificate to be issued by the Architect, to receive £ (y), part of the said sum of £ (x), when the works are practically completed, and in like manner to payment of the balance within a further period of months, or as soon after the expiration of such period of months as the works shall have been finally completed, and all defects made good according to the true intent and meaning hereof, whichever shall last happen. The Architect shall issue his certificates in accordance with this clause. No certificate of the Architect shall be considered conclusive evidence as to the sufficiency of any work or materials to which it relates, nor shall it relieve the Contractor from his liability to make good all defects as provided by this Agreement. The Contractor when applying for a certificate shall, if required, as far as practicable, furnish to the Architect an approximate statement of the work executed, based on the original estimate.

31.—Should the Employer not pay the Contractor any sum certified by the Architect within the times respectively named in Clause 30, the Contractor shall give written notice to the Employer of the non-payment, and should the Employer not pay any such sum within the period of days from the date of delivery of such notice at the Employer's address or sent to him there in the ordinary course of post by registered letter, or if the Employer shall become bankrupt or file any petition for liquidation of his affairs, and if his Trustee in Bankruptcy shall repudiate this Contract, or if the Trustee shall be unable to show within days to the reasonable satisfaction of the Contractor his ability to carry out the Contract, and to make all payments due or to become due thereunder, or if the works be stopped for months under an order of the Architect or any Court of Law, the Contractor shall be at liberty to determine the Contract by notice in writing to the Architect, and to cover from the Employer payment for all work executed and for any loss he may sustain upon any plant or material supplied or purchased or prepared for the purpose of the Contract. In arriving at the amount of such payment the rates contained in the Contractor's original estimate shall be followed, or, where the same may not apply, rates proportionate to the prices therein contained.

32.—Provided always that in case any dispute or difference shall arise between the Employer or the Architect on his behalf and the Contractor, either during the progress of the works or after the determination, abandonment, or breach of the Contract, as to the construction of the Contract or as to any matter or thing arising thereunder (except as to the matters left to the sole discretion of the Architect under Clauses 4, 9, and 19, and the exercise by him under Clause 18 of the right to have any work opened up), or as to the withholding by the Architect of any certificate to which the

Conditions, etc.—*continued.*

Contractors may claim to be entitled, then either party shall forthwith give to the other notice of such dispute or difference, and such dispute or difference shall be and is hereby referred to the arbitration and final decision of or, in the event of his death or unwillingness or inability to act, of , or, in the event of his death or unwillingness or inability to act, of a person to be appointed on the request of either party by the President for the time being of The Royal Institute of British Architects, and the award of such Arbitrator shall be final and binding on the parties. Such reference, except on the question of certificate, shall not be opened until after the completion or alleged completion of the works, unless with the written consent of the Employer or Architect and the Contractor. The Arbitrator shall have power to open up, review, and revise any certificate, opinion, decision, requisition, or notice, save in regard to the said matters expressly excepted above, and to determine all matters in dispute which shall be submitted to him, and of which notice shall have been given as aforesaid, in the same manner as if no such certificate, opinion, decision, requisition, or notice had been given. Upon every or any such reference the costs of and incidental to the reference and award respectively shall be in the discretion of the Arbitrator, who may determine the amount thereof, or direct the same to be taxed as between solicitor and client or as between party and party, and shall direct by whom and to whom and in what manner the same shall be borne and paid. This submission shall be deemed to be a submission to arbitration within the meaning of the Arbitration Act 1889.

COPPER.

SHEETS, 4 ft. × 2 ft., and Scotch plates, 4 ft. × 3 ft. 6 in.

SHEETS FOR ROOFING, 5 ft., 6 ft., 7 ft., and 8 ft. × 3 ft. wide, made in guages 1 to 30. Guages 25 to 18 generally used for roofs and gutters.

Weight per foot super.

Guage.	lbs.	oz.
No. 18	2	4
,, 19	2	0
,, 20	1	12
,, 21	1	8
,, 22	1	6
,, 23	1	3
,, 24	1	0
,, 25		14
,, 26		13
,, 27		11½
,, 28		10

COW HOUSES.

Space per cow, 60 to 100 ft. super.
Depth of House, single, 18 ft.
,, ,, double, 32 ft.
Height, 10 ft. to 12 ft.
Stalls, single, 4 ft. to 4 ft. 6 ins.
,, double, 7 ft. to 8 ft.
Feeding and Dunging passages, 3 ft 6 ins. to 4ft. wide.

L.C.C. BYELAWS.—*Digest.*

Every cowshed must be well and sufficiently lighted and thoroughly ventilated.

Space per cow in single stall at least 8 ft. by 4ft.
Two cows in double ,, ,, 8 ft. by 7 ft.

Air space per cow at least 600 c. ft. where there is perfect ventilation, otherwise 800 c. ft. Height of shed exceeding 16 ft. not to be counted.

Paving with impervious bricks or material set with cement or concrete, with slope towards gully hole which is to be outside where practicable. Gully to be trapped, and to have a grating with bars not more than ⅜ of an inch apart. Not exceeding 3 ft. of the foremost part of stalls may be paved with chalk or other similar material.

Water supply, 12 gallons per cow. Where not constant service provide covered tank, bottom of tank to be not less than 6 ft. above floor level.

No communication between tank and any water closet or drain by means of a waste pipe.

Water trough constructed of or lined with impervious material to each stall or standing place, with a waste pipe or hole in the lowest part.

Walls, doors, and wood work (except partition between cows) to be covered with impervious material 5 ft. high, such material not to be covered with cement, wash or other substance.

Cow Houses—*continued.*

Grain and dung pits to be constructed of or lined with impervious material and properly drained, such grain and dung pits not to be within or communicate directly with any cow shed.

No water closet, privy, cesspool, or urinal to be within, communicating with, or ventilate into a cow-shed.

Upper part of inner surface of walls to be lime-washed.

Vessels to be cleansed with steam or scalding water.

DAIRIES.

L.C.C. BYE-LAWS.—*Digest.*

Light and ventilation to be sufficient.

Paving with flagstones, concrete, or other suitable material, set in cement.

Walls to be covered with hard, smooth, and impervious material to a height of at least 6 ft., and such material not to be covered with cement, wash, lime, or other substance. Floor to fall towards an opening in the walls, leading to a trapped gully hole outside. No inlet to drain to be inside.

Water supply to be adequate; where not constant provide covered tank. Tank to have no communication with any water closet or drain by means of a waste pipe.

Vessels to be cleansed with steam or scalding water.

DANGEROUS AND NEGLECTED STRUCTURES.

L.B. ACT, 1894.—*Digest.*

On report of District Surveyor Council may shore up and protect with hoarding, and serve dangerous structure notice on owner or occupier.

If the owner or occupier fail to comply with notice a petty sessional court may issue an order to execute the required work within a fixed time. Failing compliance with such order the Council may take down, or repair, or otherwise secure the defective work.

If the owner of a structure dispute the necessity of the requisitions comprised in the notice he may by notice in writing to the Council within 7 days require the matter to be referred to arbitration.

At the time of giving such notice to the Council he may appoint an independent surveyor to report in conjunction with the District Surveyor, within 7 days of the receipt by the Council of such notice. Before the Surveyors enter upon the discussion of the question in dispute they shall appoint a third surveyor as arbitrator, or such arbitrator may be appointed by a petty sessional court.

The arbitrator is to make his award within 14 days.

Notwithstanding such notice, the court may on complaint of the Council order the immediate taking down or otherwise securing of the structure.

If owner cannot be found, or if on demand he refuse or neglect to pay the expenses, the Council after 3 months' notice, may sell the structure, and after paying expenses pay the surplus if any to the owner on demand. If sale not sufficient to pay expenses, then land may not be built upon until balance due has been paid, or Council may recover costs in a summary manner.

A petty sessional court may order the owner of any structure, which is ruined, defective, or unfit for occupation, or from neglect structurally, prejudicial to property or inhabitants of the neighbourhood, to take down, repair, or rebuild, or to fence in the ground on which it stands within a reasonable time. If the order be not complied with, the Council may execute the order.

The Council in executing the order may remove the materials to a convenient place, and if their expenses are not paid within 14 days may sell the same.

DANGEROUS BUSINESSES.

L.B. ACT, 1894.—*Digest.*

No person may carry on a dangerous business in any building, or vault, or in the open air, at a less distance than 40 ft. from any public way, or than 50 ft. from any other building, or any vacant ground belonging to any other person than his landlord.

Dangerous businesses comprise manufacture of matches, or other substances liable to sudden explosion, inflammation or ignition, or of turpentine, naphtha, varnish, tar, resin, Brunswick black, or any other manufactures dangerous on account of the liability of the materials to sudden fire or explosion.

No person may erect a dwelling house nearer than 50 ft. to a building used for any dangerous business, provided that a building erected before 1844 within 50 ft. from any building, for the time being used for any such noxious business, it may be rebuilt.

DISTRICT SURVEYORS AND THEIR DISTRICTS.

1 Battersea, Central.
WILFRED J. HARDCASTLE, 73 Marney-road, Battersea-rise, S.W. 10 to 4.

2 Battersea South, and part of Wandsworth.
HORACE CHESTON, 35 Belville-road, Wandsworth-common, S.W. 10 to 4.

3 Bermondsey.
VINCENT JOHN GROSE, 13 Railway-approach, London-bridge, S.E. 10 to 4.

4 Bethnal Green, East, and South Bow.
EDWARD STREET, 109 Bow-road, E. 10 to 4.

5 Bethnal Green, West.
ROBERT PLEDGE NOTLEY, 11 Paradise-row, Bethnal-Green Road, E. 10 to 4.

6 Bromley, St. Leonard.
E. STREET (Interim District Surveyor), 109 Bow-road, E. 10 to 4.

7 Camberwell.
ELLIS MARSLAND, 244 Camberwell-road, S.E. 9.30 to 5; Saturday, 9-30 to 1.

8 Catford.
RICHARD DOMINIC HANSOM, 39 Culverley-road, Catford, S.E. 9.30 to 5; Saturday, 9 30 to 1.

9 Charlton, Kidbrooke, and Lee.
A. A. FILLARY (Interim District Surveyor), 5 Lee-road, S.E. 9.30 to 5; Saturday, 9.30 to 1.

10 Chelsea.
THOMAS EDWARD MUNDY, 6 Lincoln-street, Chelsea, S.W. 9.30 to 5; Saturday, 9.30 to 1.

11 City of London, East.
O. C. HILLS (Interim District Surveyor), Hamilton House, 149 Bishopsgate Street Without, E.C. 9.30 to 5.

12 City of London, Southern Division.
EDWARD POWER, 97 Queen Victoria-street, E.C. 10.30 to 3-45; Saturday by appointment.

13 City of London, West.
E. R. HEWITT (Interim District Surveyor), 22, Bride Lane, E.C.

14 Clapham.
WILLIAM GRELLIER, 188 High-street, Clapham, S.W. 10 to 4; Saturday, 10 to 2.

15 Deptford, East and Greenwich.
BENJAMIN TABBERER, Lecture Hall, Royal-hill, Greenwich, S.E. 10 to 4.

16 Finsbury.
ERNEST CARRITT, 20 Wilmington-square, Clerkenwell, W.C. 10 to 4; Saturday 10 to 2.

17 Fulham, North.
FREDERICK WILLIAM HAMILTON, Broadway-house, The Broadway, Walham Green, S.W. 9.30 to 5; Saturday, 9.30 to 1.

18 Fulham, South.
JOHN ALBERT GILL KNIGHT, Broadway-house, The Broadway, Walham Green, S.W. 9.30 to 5; Saturday, 9.30 to 1.

19 Hackney, North-east.
OSBORN CLUSE HILLS, 360 Mare-street, Hackney, N.E. 9.30 to 5; Saturday, 9.30 to 1.

20 Hackney, South-east, and North Bow.
ALEXANDER PAYNE, 10 St. Thomas's-square, Mare-street, N.E. 10 to 4.

21 Hackney, West.
WILLIAM GEORGE PERKINS, 360 Mare-street, Hackney, N.E. 9.30 to 5; Saturday, 9.30 to 1.

22 Hammersmith.
W. H. STEVENS (Interim District Surveyor), 3 The Grove Hammersmith, W. 9.30 to 5.

23 Hampstead.
FREDERIC HAMMOND, 150 Finchley-road, Hampstead, N.W. 9.30 to 5; Saturday, 9.30 to 1.

24 Holborn.
W. G. PERKINS (Interim District Surveyor), 67-69 Chancery-lane, W.C. 9.30 to 5; Saturday, 9.30 to 1.

25 Islington, North, and St. Pancras, North.
JOSIAH GOODCHILD, Bank-chambers, Parkhurst-road, Holloway, N. 9.30 to 5; Saturday 9.30 to 1.

District Surveyors, etc.—*continued.*

26 Islington, South, and Shoreditch.
HENRY LOVEGROVE, 169 Shoreditch High-street, E. 9.30 to 5; Saturday, 9-30 to 1.

27 Kensington.
SAMUEL FLINT CLARKSON, 17A Vicarage-gate, Kensington, W. 9.30 to 5; Saturday, 9.30 to 1.

28 Lambeth, Central, and Battersea, North.
CLARENCE TILT COGGIN, 69 Kennington Oval, S.E. 9.30 to 5; Saturday, 9.30 to 1.

29 Lambeth, South.
PERCY HUNTER, 53 Clapham-road, S.W. 9.30 to 5; Saturday, 9.30 to 1.

30 Lewisham, East.
E. W. LEES (Interim District Surveyor), 3 Lewisham Bridge, S.E.

31 Lewisham, West.
A. P. STOKES (Interim District Surveyor) 301A Brockley-road, S.E.

32 Limehouse, Wapping, St. Katharine, and Ratcliff.
G. TOLLEY (Interim District Surveyor), 586 Commercial-road East, E. 10 to 4.

33 Mile End Old-town.
H. A. LEGG (Interim District Surveyor), 13 Grafton-street, Mile End-road, E. 10 to 4.

34 Newington, and part of St. George-the-Martyr, Southwark.
BERNARD JOHN DICKSEE, 14 and 16 New Kent-road, S.E. 9.30 to 5; Saturday, 9.30 to 1.

35 Norwood, West.
ARTHUR HENRY WHARTON GLASSON, 29 Wolfington-road, Knight's Hill-road, S.E. 9.30 to 5; Saturday, 9.30 to 1.

36 Paddington.
A. ASHBRIDGE (Interim District Surveyor), 133A Queen's Road, Paddington, W. 9.30 to 5; Saturday, 9.30 to 1.

37 Plumstead and Eltham.
THOMAS BATTERBURY, 97 Griffin-road, Plumstead, Woolwich, and Park House, Court-road, Eltham, Kent. 10 to 4.

38 Poplar, All Saints.
JOHN CLARKSON, 136 High-street, Poplar, E. 10 to 4.

39 Putney and Roehampton.
THOMAS WILLIAM WILLIS, 9 Hotham-road, Putney, S.W. 9 to 5.

40 Rotherhithe, Hatcham, and St. George-in-the-East.
AUGUSTUS WILLIAM TANNER, 114 Lower-road, Rotherhithe, S.E., and 334 Commercial-road East, E. 9.30 to 5; Saturday, 9. 30 to 2.

41 St. George, Hanover Square, North.
THOMAS HENRY WATSON, 9 Conduit-street, Regent-street, W. 9 to 5.

42 St. George, Hanover Square, Belgrave and Pimlico Division.
WILLIAM ALFRED LARGE, 83A Chester-square, Pimlico, S.W. 10 to 5. Saturday, 10 to 2.

43 St. James, Westminster.
H. N. KERR (Interim District Surveyor), 13A Great Marlborough-street, W. 10 to 4.

44 St. Margaret, St. John, and St. Peter, Westminster.
EDWARD DRU DRURY, 25 Queen Anne's-gate, Westminster, S.W. 10 to 5 (except Saturday).

45 St. Marylebone.
ARTHUR ASHBRIDGE, 17 York-place, Portman-square, W. 9.30 to 5. Saturday, 9.30 to 1.

46 St. Pancras, South.
FREDERICK WALLEN, 96 Gower-street, W.C. 10 to 5. Saturday, 10 to 2.

47 St. Saviour, St. George-the-Martyr (part), and Christ Church, Southwark, and the Northern Division of Lambeth.
EDWIN RICHARD HEWITT, 182 Blackfriars-road, S.E. 10 to 4.

48 Stoke Newington.
JOSEPH DOUGLASS MATHEWS, 171 Church-street, Stoke Newington, N. 10 to 4.

49 Strand.
A. B. HAYWARD (Interim District Surveyor), 50 Great Russell-street, W.C. 9-30 to 5; Saturday, 9-30 to 1.

District Surveyors, etc.—*continued.*

50 Streatham, East, and Tulse-hill.
JOHN SALMON QUILTER, 71 Christchurch-road, Tulse-hill, S.W. 10 to 4.

51 Streatham, West.
DANIEL ROBERT DALE, 3 Bank Buildings, Station-rd., Balham, S.W. 10 to 4. Saturday, 10 to 1.

52 Sydenham.
STANLEY FAITHFULL MONIER-WILLIAMS, 4 Dartmouth-road, Forest Hill, S.E. 9.30 to 5. Saturday, 9.30 to 1.

53 Wandsworth, East, and Tooting Graveney.
GEORGE AITCHISON, R.A., 125 Trinity-road, Upper Tooting, S.W. 10 to 4. Saturday, 10 to 2.

54 Wandsworth, West.
LAWTON ROBERT FORD, Bank Chambers, High-street Wandsworth, S.W. 9.30 to 5. Saturday, 9.30 to 1.

55 Whitechapel, Spitalfields, Mile End New-town and the Tower Liberty.
ARTHUR CROW, Hamilton House, 149 Bishopsgate-street Without, E.C. 9.30 to 5; Saturday, 9.30 to 1.

56 Woolwich.
ALFRED CONDER, 21 William-street, Woolwich. 10 to 4.

DISTRICT SURVEYORS' FEES.

Extract from London Building Act, 1894.

PART I.

ON NEW BUILDINGS.	£	s.	d.
For any building not exceeding thirty square feet in area and not exceeding ten feet in height	0	10	0
For every building not exceeding four hundred square feet in area and not more than two storeys in height ...	1	10	0
For every additional storey	0	5	0
For every additional square or fraction of a square	0	2	6
For every building not exceeding four hundred square feet in area and of one storey only in height	0	15	0
ON ADDITIONS, ALTERATIONS, OR OTHER WORKS.			
For every addition or alteration or other work to which the provisions of this Act apply made or done to or on any building after the roof thereof has been covered in.			
One half of the fee charged in the case of a new building, calculated upon the area of the whole building.			
For inspecting the arches or fire resisting floors over or under public ways	0	10	0
For inspecting the formation of openings in party walls (for each opening)	0	10	0
For inspecting the closing of openings in party walls (for each opening) ...	0	10	0
Provided that in the case of public buildings, buildings constructed of concrete and buildings divided into separate sets of chambers or tenements by party structures the fees hereinbefore specified in this part of this Schedule shall in every case be increased by one-half.			
ON CHIMNEYS AND FLUES.			
On the construction of a furnace chimney-shaft or similar shaft for ventilation or other purposes of addition to the fee for any other operation in progress at the same time if not exceeding seventy-five feet in height	2	0	0
If exceeding seventy-five and not exceeding one hundred feet in height	2	10	0

District Surveyors' Fees—*continued.*

For every additional ten feet or portion of ten feet in height ...	0	10	0
On the carrying of a flue from an oven stove steam-boiler furnace or close-fire into an old flue	0	10	0
On certifying that a chimney breast in a party wall may be cut away ...	0	10	0

ON CERTIFYING PLANS.

For examining and certifying plans of an old building	2	2	0

ON WOODEN AND TEMPORARY STUCTURES.

On inspection of any wooden structure or on inspection of any structure or erection put up on any public occasion the same amount as for a new building calculated on the area of the structure or erection without reference to the area of any building to which it may be attached or in or on which it may be put up.			

ATTENDING AT COURT.

For attending at a court when an order is made for complying with notice of irregularity	0	10	0

PART II.

ON DANGEROUS STRUCTURES.

On each dangerous structure—

Where there are not more than four adjoining or nearly contiguous structures in the same ownership :—

1. For making a survey of the structure reported as dangerous and certifying opinion thereon—			
If the structure do not exceed four squares in area and two storeys in height	0	7	6
If exceeding four squares	0	10	0
For every additional story above two	0	2	6
2. For each inspection of the structure and report as to completion or progress of the works	0	5	0
3. For inspecting the structure before the hearing of the summons and attending the court to give evidence—			
If one structure only	0	10	0
If more than one structure (for each structure)	0	5	0
4. For inspecting the structure before the hearing of the summons against the occupier (the owner having failed to comply) and attending the court to give evidence—			
If one structure only	0	10	0
If more than one structure (for each structure)	0	5	0
5. For every adjournment of the summons	0	5	0
6. For superintending the erection of shoring (including needling when requisite) and hoarding whether done by the Council or not and for certifying the account for the same when done by the Council	0	10	0
7. For shoring without hoarding or hoardng without shoring and certifying the account	0	7	6
8. For supervision including the report of the officer in cases where it is necessary for the Council to execute works to ensure the safety of the public under an order made by a court	0	5	0

Where there are more than four aajoining or nearly contiguous structures in the same ownership—

For Nos. 2, 3 and 4 in the above table	0	4	0
For No. 5	0	2	6
And for No. 8	0		0

PART III.

FEES PAYABLE FOR SPECIAL SERVICES.

The fees payable by a builder to the district surveyor for special services shall be the following:

For superintending the construction of floors and partition walls to stables under section 70 of this Act per building	0	5	0

District Surveyors' Fees—*continued.*

For superintending the construction of overhanging oriel windows per building	0	5	0
For superintending the fixing of any oven copper steam-boiler or stove to be used for trade purposes and not heated by gas	0	10	0
For superintending the fixing of pipes for conveying heated air or hot water or steam at high pressure (for each floor of a building on which pipes are fixed)	0	10	0
For services relating to the erection of buildings on low lying lands per building	0	5	0

PART IV.

FEES PAYABLE TO COUNCIL.

ON DANGEROUS STRUCTURES.

For general services—

1. For preparation of notices forms for same and postage	0	3	6
2. For service of notices (clerk's time)	0	2	6
3. For travelling per mile (one way) ...	0	0	3
4. For obtaining summonses and orders (clerk's time)	0	2	6
5. For cost of each summons or order	0	3	0

Where there are two or more adjoining or nearly contiguous structures in the same ownership—

For Nos. 2 and 4 (above) each ...	0	2	0

The Fees payable upon ten structures shall be the maximum fees.

ON DILAPIDATED AND NEGLECTED BUILDINGS OR STRUCTURES.

1. For each inspection of the building or structure and report	0	5	0
2. For obtaining summons and order (clerk's time)	0	2	6
3. For cost of each summons or order	0	2	0
4. For attendance at a court to give evidence	0	5	0
5. For every adjournment	0	2	6
6. For supervision of works including report of officer in cases where the magistrate's order is executed by the Council	0	5	0
7. For travelling per mile (one way) ...	0	0	3
8. The cost of procuring local evidence to satisfy the magistrate that the condition of the structure is prejudicial to the property or to the inhabitants of the neighbourhood is to be considered separately in each case.			

Where there are two or more adjoining or nearly contiguous structures in the same ownership—

For Nos. 1 4 or 6 (above) each ...	0	3	0
For Nos. 2 or 5 (above) each	0	2	0

The fees payable upon ten structures shall be the maximum fees.

For travelling per mile (one way) ...	0	0	3

REGULATIONS.

1. The fees specified in this Schedule in respect of works to a party-wall comprise the fees payable in respect of both sides of the wall.

2. No fee shall be charged in respect of the fixing of a chimney pot.

District Surveyors' Fees—*continued.*

3. No fee shall be charged in respect of the repairing of a chimney top unless the top has been pulled down to a greater extent than twelve inches.

4. No fee shall be charged in respect of the repairing of a parapet unless the parapet shall have been pulled down to a greater extent than twelve inches.

5. In calculating the area of every new building for the purposes of this Schedule the area of all outbuildings not exceeding 30 feet in area whether attached or not shall be included provided such outbuildings be erected at the same time as the main building.

Under the London County Council Bye-Laws.

(*a*) IN RESPECT OF PLASTERING AND EXCAVATIONS.

There shall be paid to the District Surveyor in respect of his supervision of the plastering of any house, building, or other erection, and in respect of the filling in of any excavation made outside the site of any house, building, or other erection, and within a distance of 3 feet therefrom, an inclusive fee of five shillings, such fee to be payable in the manner and at the time specified in Section 51 of the Metropolitan Building Act, 1855.

(*b*) FOUNDATIONS AND CONCRETE BUILDING.

The District Surveyor shall in respect of the erection of any house or other building be entitled to receive the sum of five shillings, the same to be taken and deemed to be a fee due to such District Surveyor in respect of the duties imposed upon him by the Metropolis Management and Building Acts Amendment Act, 1878, and these bye-laws ; such fees to be payable in the manner and at the time prescribed by Section 51 of the Metropolitan Building Act, 1855. The District Surveyor shall also, in every case where in respect of any breach of these bye-laws, or of the above Act of Parliament, an application shall have been made by him to a Justice, and an order made thereon, be in like manner entitled to receive the sum of ten shillings in addition to the before-mentioned fee of five shillings.

DRAINAGE.

Every building should have a SEPARATE DRAIN, and NO DRAIN SHOULD GO UNDER A BUILDING if possible to avoid it.

Drains should be laid in STRAIGHT LINES from point to point, and have TRUE GRADIENTS of from 3″ to 4″ in 10 feet for soil pipes, and 2″ in 10 ft. for surface water. Drains should be BEDDED ON CONCRETE 6″ thick, and ENCASED IN CONCRETE if under buildings.

TRAPS should be BEDDED IN CONCRETE.

JUNCTIONS should be oblique, and in the direction of the flow.

MANHOLES or INSPECTION CHAMBERS with open channel pipes at junctions and bends.

DISCONNECTING TRAPS between the sewer and the house drain, and BACK FLAP TRAPS where back flow is probable. Disconnecting traps should also receive waste pipes.

GULLIES should have waste discharging into same to prevent unstopping.

GREASE TRAPS should be provided, or grease should be driven through the drain in lumps.

PIPES and TRAPS should not be larger than required for their work. 4′ SOIL PIPES are now used where only a few closets are connected. Allow 3″ space over *pipes passing through or under walls*. and turn arch.

Drainage—*continued.*

CURRENT OF AIR should constantly pass through pipes by means of air inlets near sewer, and an outlet carried above roof at farthest point of drain.

VENTILATING PIPES should be kept 10 ft. away from windows and be 4 ft. to 5 ft. above. Should be 6 lb. lead and terminate with a cowl or wire guard, having area of opening equal to area of pipe.

Provide for adequate FLUSHING.

TEST for being water and air tight.

CESSPOOLS should be at least 100 ft. from any dwelling, and 200 ft. from any well, spring, or stream used for drinking purposes.

STONEWARE DRAIN PIPES should have true circular section and be straight in their length.

Sizes and Substance of Stoneware Pipes.

Dia.	Substance.	Dia.	Sub.	Dia.	Sub.
2 Inches	$\frac{5}{16}$ Inches	9	$\frac{3}{4}$	18	$1\frac{1}{4}$
3 ,,	$\frac{3}{8}$,,	10	$\frac{7}{8}$	24	$1\frac{3}{8}$
4 ,,	$\frac{7}{16}$,,	12	1		
6 ,,	$\frac{1}{2}$,,	15	$1\frac{1}{8}$	30	$1\frac{1}{2}$

JOINTS to Stoneware Pipes should be in Portland Cement, wiped clean inside.

JOINTS TO ACID PROOF PIPES should be with sulphur and clay dust.

IRON SOIL PIPES

Are made 3 ft., 6 ft., 9 ft., and 12 ft. long.
Weight in lbs. per 6 ft. lengths.

Inside Diam. In.	Thickness. $\frac{3}{16}$ lbs.	$\frac{7}{32}$ lbs.	$\frac{3}{8}$ lbs.
$2\frac{1}{2}$	28	34	60
3	37	42	78
$3\frac{1}{2}$	43	50	90
4	48	58	100
$4\frac{1}{2}$	54	68	112
5	60	74	125
6	70	90	144

(*North British Plumbing Co.*)

Inside Diam. in.	Length ex Socket. ft. in.	Depth of Socket. in.	Diam. of Socket. in.	Weight per Length. c. q. lb.
$1\frac{1}{2}$	6 0	$2\frac{3}{4}$	$2\frac{3}{4}$	1 0 to 1 10
2	6 0	3	$3\frac{1}{4}$	1 14 1 21 2 0
$2\frac{1}{2}$	6 0	$3\frac{1}{2}$	$3\frac{3}{4}$	2 0 to 2 14
3	9 0	$3\frac{1}{2}$	$4\frac{1}{4}$	3 14 3 21 1 0 0
$3\frac{1}{2}$	9 0	4	$4\frac{3}{4}$	1 1 0
4	9 0	4	$5\frac{1}{4}$	1 1 14 1 1 21 1 2 0
$4\frac{1}{2}$	9 0	4	6	1 3 2
5	9 0	$4\frac{1}{2}$	$6\frac{1}{2}$	1 3 14 1 3 21 2 0 0
6	9 0	$4\frac{1}{2}$	$7\frac{1}{2}$	2 1 14 2 1 21 2 2 0
7	9 0	5	$8\frac{3}{8}$	2 3 14 to 3 0 0
8	9 0	5	$9\frac{3}{4}$	3 1 14 to 3 3 0
9	9 0	5	$10\frac{3}{4}$	3 3 14 to 4 2 0
10	9 0	5	$11\frac{3}{4}$	4 2 0 5 0 0
12	9 0	5	$13\frac{3}{4}$	5 3 0 6 2 0
12	12 0	5	$13\frac{3}{4}$	8 3 0

JOINTS to iron pipes should be made with oakum and molten lead caulked up.

Iron pipes in *soft ground* may be supported at sockets on *brick or concrete piers.*

LEAD SOIL PIPES, sizes and weight made.

(*Not less than 7 lb. lead should be used*).

2 inch equal to 6 lb. lead.
$2\frac{1}{2}$,, ,, 5, 6 and 7 lb. lead.
3 ,, ,, 5, 6, 7 and 8 lb. lead.
$3\frac{1}{2}$,, ,, 5, 6, 7 and 8 lb. lead.
4 ,, ,, 5, 6, 7, 8 and 9 lb. lead.
$4\frac{1}{2}$,, ,, 6, 7 and 8 lb. lead.
5 ,, ,, 6, 7 and 8 lb. lead.
$5\frac{1}{2}$,, ,, 7 and 8 lb. lead.
6 ,, ,, 8 lb. lead.

Drainage—*continued.*

Lead pipes should be secured by means of wings or flanges every 5 ft.

"WIPED" JOINTS should be used not less than 2 in. in length.

CONNECTION WITH STONEWARE DRAIN should be made with Brass Ferrule, soldered on and leaving end flange of same diameter as faucet of drain pipe and jointed in cement. CONNECTION WITH IRON PIPE should be through a brass ferrule 2 in. longer than inside of the faucet of iron pipe and soldered thereto.

FALL necessary to give VELOCITIES of 2·0, 3·0, 4·0 feet per second, and QUANTITY OF SEWAGE DISCHARGED per minute.

Diam. of Pipe.	Veloc. per sec. 2′.0″	Gals. per min.	Veloc. per sec. 3′.0″	Gals. per min.	Veloc. per sec. 4′.0″	Gals. per min.
	1 in	180	65	1 in 90	98	1 in 45	130
6	1 ,,	270	146	1 ,, 135	220	1 ,, 67	292
9	1 ,,	384	330	1 ,, 192	495	1 ,, 96	660
12	1 ,,	540	587	1 ,, 270	880	1 ,, 135	1174
15	1 ,,	674	918	1 ,, 337	1377	1 ,, 168	1836
18	1 ,,	810	1321	1 ,, 405	1981	1 ,, 202	2642
24	1 ,,	1080	2348	1 ,, 540	3522	1 ,, 270	4696
30	1 ,,	1350	3672	1 ,, 675	5508	1 ,, 387	7344

House drainsshould have a fall of at least of 4 ft. per second, and sewers 2 ft. or 3 ft.

Drains running half-full would give half the above discharge.

LAND DRAINAGE. Agricultural pipes are made 1 in. to 6 in. diameter, 12 in. long, also 2 ft. long with sockets. JOINTS are left open or upper half cemented.

Spacing and depth of Pipe.

Stiff clay	Drains	15 ft. apart	2′ 6″ deep.
Soft ,,	,,	20 ft. ,,	2′ 9″ ,,
Clayey loam	,,	22 ft. ,,	3′ 6″ ,,
Friable ,,	,,	30 ft. ,,	3′ 6″ ,,
Light sandy loam	,,	40 ft. ,,	3′ 9″ ,,
Sandy soil	,,	45 ft. ,,	4′ 0″ ,,
Gravel, coarse	,,	60 ft. ,,	4′ 6″ ,,
,, loose	,,	66 ft. ,,	4′ 6″ ,,

L.C.C. BYE-LAWS.—*Digest.*

SANCTION TO DRAINAGE. Persons wishing to make or branch a sewer into a sewer vested in the London County Council, or into a sewer vested in any Vestry or District Board, shall, in the first instance, lay the plans and sections relating thereto before, and apply for the sanction of, the Vestry or District Board in which such last-mentioned sewer shall be situate, and no such sewer shall be begun until the sanction of such Vestry or District Board shall have been given.

Before any Vestry or District Board shall sanction the construction of any such sewer, they shall submit the plans and sections thereof, when the same shall have been approved by them, to the London County Council, for their sanction.

All persons wishing to make or branch any drain into a sewer vested in the London County Council, shall, seven days before commencing any works for that purpose, submit a proper plan and description in reference thereto before, and apply in writing for the sanction of, the Vestry or District Board of the Parish or District in which such sewer shall be situate, and no such work shall be commenced until the sanction of the said Vestry or District Board shall have been given.

SOIL PIPES.

Diam. in Inches.	Lead Weight per 10 ft. length, not less than	Iron Weight per 6 ft. length, not less than
$3\frac{1}{2}$	65 lbs.	48 lbs.
4	74 ,,	54 ,,
5	92 ,,	69 ,,
6	110 ,,	84 ,,

Drainage—*continued.*

Continued up as ventilating pipe full diameter to above highest part of roof, and where practicable at least 3 ft. above any window within 20 feet, measured in a straight line from the open end of pipe.

Pipe end to have wireguard covering, with openings in the meshes to at least equal area of open end of pipe. Connection between a lead trap or pipe and an iron soil pipe or drain, to be with a brass thimble, connected to lead by means of a wiped or overcast joint, and to iron by means of a joint of molten lead properly caulked.

Joints to iron soil pipes to be made with molten lead properly caulked.

Stoneware pipes to be connected with lead by means of a brass socket or other similar appliance, stoneware end jointed in cement and the lead end with a wiped or overcast joint.

Stoneware pipes connected with iron by inserting end in iron socket and jointing with cement.

EARTH, ROCK, etc.

WEIGHT OF A CUBIC YARD.

	cwt.		cwt.
Granite	42	Gravel	30
Trap	42	Sand	30
Slate	43	Clay	31
Shale	39	Marl	26
Quartz	41	Common Earth	24
Sandstone	39	Loam	24
Limestone	40	Peat, Dry	$7\frac{1}{2}$
Chalk	36	,, Wet	15

INCREASE OF BULK OF 1 YARD OF EARTH, ROCK, ETC., WHEN DUG.

Clay and Earth	1·25 c. yd.
Sand and Gravel	1·08 ,,
Chalk and Rock	1·3 to 1·5 to c. yd.

NATURAL SLOPE OF EARTH WITH HORIZON.

Compact Earth	45° to 50°	Rubble	45°
Loose Earth	30°	Gravel	40°
Clay, dry	30°	Sand	30°
,, drained	45°	Shingle	39°
,, wet	16°		

ELECTRICAL ENGINEERING.

Electrical Terms and Definitions.

VOLT = Practical unit of electrical pressure: the pressure required to send a current of 1 ampere through a resistance of 1 ohm.

OHM = Practical unit of electrical resistance.

AMPERE = Practical unit of current, or the rate of flow of electricity.

The well-known formulæ, known as Ohm's Law, shews that in all steady direct currents the above three units bear a relation to each other, viz., the strength of a current varies directly as the electric pressure and inversely as the resistance. The formulæ is expressed algebraically thus:—

$$\frac{E}{C} = R, \quad \frac{E}{R} = C, \text{ and } C \times R = E.$$

WATT = The electrical unit of power, or rate of doing work, and is the power absorbed in a circuit carrying a current of 1 ampere at a pressure of 1 volt ∴ W = E × C 746 watts = 1 electrical horse power.

BOARD OF TRADE UNIT is the commercial unit used in public electrical supply, and equals 1,000 watts per hour.

The prefix "milli" means one-thousandth part.
,, "micro" ,, one-millioneth part.
,, "kilo" ,, one thousand times.
,, "meg" ,, one million times.

Such as milli-ampere = one-thousandth part of one ampere. Kilo-watt = 1,000 watts.

The continuous or direct current is that which flows continuously in one direction.

The alternating current is that which flows in reverse directions; the *frequency* or *periodicity* of an alternating current is the number of complete reversals, periods or cycles per second.

Electrical Engineering—*continued.*

Alternating currents for electric lighting are usually from 50 to 100 cycles per second, and for electric power from 25 to 50.

ELECTRIC BELLS.

Le Clanche cells are most suitable for the purpose, as the current is only required at intervals.

2¼ oz. of Salammoniac to 1 pint of water is the usual proportion of mixture; the cell should be about ⅔ full. It is good practice to paint the upper portion of the glass jar as well as the projecting carbon with hot paraffin wax to prevent the salts "creeping." A little fresh Salammoniac should be added from time to time, as the action of the liberated hydrogen and oxygen tend to form water and weaken the solution.

ELECTRIC LIGHTING.

Lighting by electricity is usually carried out by the following methods :—

Arc Lamps. This form of lamp is used for open spaces, streets, public buildings, &c.

The light is obtained by passing the current through the points of two carbon rods, which, when drawn apart, form the "arc."

The distance between the carbon points is maintained about ¼in. or ⅜in. by suitable mechanism. The light and heat in the small space between the carbon points are exceedingly intense; so intense is the heat that metals melt in it like wax in a candle flame. This intense heat is utilized in electric furnaces for the reduction of certain refractory ores.

Enclosed Arc Lamps are those having an inner and outer globe so arranged as to exclude the admission of oxygen. By this means a pair of carbons lasting about eight hours in an open type lamp, would last about 80 hours in an enclosed lamp. Open type lamps require about 45 volts., and enclosed lamps about *80 volts.* The current required is about 5 amps per 1,000 candles.

Incandescent or Glow Lamps. These consist of a carbon filament enclosed in a glass bulb, from which practically all the air is exhausted; the passage of the current heating the filament to incandescence. An incandescent lamp working at 240 volts, takes about ¼ of one ampere or 60 watts (nearly 4 watts per candle power). Incandescent lamps can be obtained in all voltages up to 250 volts.

The Nernst Lamp is a type of incandescent lamp not requiring a vacuum; it is very economical, only taking about 1½ watts per candle power.

Mercury Vapour Lamps. This type of lamp has only recently been placed on the market, and is likely to have a large field of usefulness on account of its being exceedingly economical.

COPPER CABLES AND WIRE CONDUCTORS.

NOTE.—The gauge column gives the number of wires in a strand, and the gauge 61/12 means 61 wires, No. 12 gauge.

Gauge, S.W.G.	Diameter Inches.	AREA. Square Inches.	Current Ampères.	No. of 8 candle power lamps of 100 volts.
61/12	·036	·5316	531·6	1650
61/13	·828	·4160	416·0	1290
37/12	·728	·3217	321·1	1000
37/13	·644	·2520	252·0	775
19/12	·520	·1648	164·9	510
19/13	·460	·1290	129·0	405
37/16	·448	·1219	121·9	380
19/14	·400	·0976	97·6	305
19/15	·360	·0790	79.0	247
19/16	·320	·0624	62·4	195
19/17	·280	·0479	47·9	149
7/14	·240	·0356	35·6	112
7/15	·216	·0290	29·0	90
7/16	·192	·0229	22·9	71
7/17	·168	·0174	17·4	54
9	·144	·0162	16·2	49
10	·128	·0128	12·8	39
11	·116	·0105	10·5	31
7/19	·120	·0089	8·9	27
7/20	·108	·0072	7·2	22
13	·092	·0066	6·6	20
7/21	·096	·0057	5.7	17
14	·080	·0050	5·0	15
15	·072	·0040	4·0	12
16	·064	·0032	3·2	10
3/20	·077	·0031	3 1	9
3/22	·059	·0019	1·8	5
18	·048	·0018	1·8	5

EXCAVATION.

AMOUNT OF WORK WHICH CAN BE DONE BY EXCAVATORS IN 10 HOURS.

One man can dig and throw in a barrow 8 to 10 c. yards of common ground, or 6 c. yards of stiff clay or gravel, or 3 to 5 c. yards of hard ground (including picking). Two men can fill and ram 20 c. yards; two men can load waggons with 25 c. yards of earth.

An ordinary wheelbarrow	holds	1¼	c. yard.
A navvy	,,	,, 1/10	,,
A dobbin cart		,, ¾	,,
A one-horse cart		,, 1⅜	,,
A small earth waggon		,, 2	,,
A large earth waggon		,, 3	,,

L.C.C. BYE-LAWS.—*Digest.*

Any excavations within 3 feet of a building shall not be filled up otherwise than with natural soil, brick, or dry rubbish, or other suitable material, to be approved by the District Surveyor, and shall be properly rammed.

FELT.

DRY HAIR for clothing boilers and steam pipes, covering hot water pipes and cisterns, and lining to roofs. Sheets 34 by 20 inches, and lengths 3 ft. wide up to 60 ft. long.

Thickness and Weight.

No.				
0	3/16 in. thick	For roofs, &c.	¾ lb. per sheet.
1	¼	,, ,, ,,	1 lb. ,,
2	5/16	,, ,, ,,	1½ lb. ,,
3	½	,, Cisterns, pipes, &c.	2 lb. ,,
4	3/8	,, Steam boilers & pipes	2½ lb. ,,
5	¾	,, Large boilers, &c.	3 lb. ,,

ASPHALTIC ROOFING and SLATING OR SACKING FELT is made in rolls 25 yds. by 32 ins. wide.

FIBROUS ASPHALTE or FOUNDATION FELT is made in widths 4½ in., 9 in., 14 in., 18 in., 23 in., 27 in., 30 in., and 36 in. by a length of 23 in.

FELT ROOFING should have joints lapping 2 to 3 in., and nailed every 2 to 3 in. with ⅞ to 1⅛ in. iron clout nails, weighing 2¼ to 5 lbs. per 1,000, and dipped while hot in boiled oil. Asphalted felt should have one or two coats of hot coal tar and lime (3 of tar to one of slaked lime), immediately after it is laid, and then sprinkled with fine sand.

FIRE ESCAPE.

L. B. ACT, 1894.—*Diges'.*

Stories above 60 feet from street to be provided with means of escape; certified as satisfactory before occupation.

FIRE RESISTING MATERIALS.

L. B. ACT, 1894.—*Digest.*

1.—BRICK WORK. Good, well-burnt, hard, and sound bricks, properly bonded and solidly put together (*a*) with mortar of good lime and sharp sand, hard clean broken brick, broken flint, grit or slag; (*b*) with good cement; or (*c*) with cement and sand, hard clean broken bricks, broken flint, grit or slag.

2.—GRANITE and other solid and durable STONE.

3.—IRON, STEEL, and COPPER.

4.—OAK and TEAK and OTHER HARD TIMBER beams and posts, or in combination with iron, the timber and the iron (if any) protected by plastering in cement or other incombustible or non-conducting material.

Doors of oak, teak, or other hard wood not less than 2 in. thick.

Stairs of oak, teak, or other hard wood, with treads, strings, and risers not less than 2 in. thick.

5.—SLATE, TILES, BRICK, and TERRA COTTA used for coverings and corbels.

6.—FLAGSTONES for floors over arches not exposed on underside and not supported at ends only.

7.—CONCRETE of broken bricks, stone chippings, or ballast and lime cement, or calcined gypsum for between joists.

Fire Resisting Materials—*continued.*

8.—Any material from time to time approved by the Council as fire resisting.

FLOORING.

Kinds in general use :

1 Common, with edges shot and laid folding.
2 Straight joint, with square (or splayed) headings, breaking joint.
3 Rebated.
4 Rebated and filletted.
5 Grooved and tongued.
6 Ploughed and tongued.
7 Dowelled.
8 Rebated, grooved, and tongued.

Secret joints and double floors are used in high-class work.

Flooring should be thoroughly seasoned before fixing. The narrower the boards the less shrinkage :

Flooring 3½ in., 4½ in., and 5½ in. wide is used in best work, 7 in. wide in ordinary work, and 9 in. wide in common work.

Specify kind, quality of wood, thickness, joints, and mode of laying, mitred borders to hearths, landings, &c.

Number of feet run per square for various widths of flooring :

3½ in.	4½ in.	5½ in.	7 in.	9 in.
360	280	230	180	140

105 ft. super usually allowed to the square.

For particulars of PARQUET WOOD, BLOCK, AND OTHER FLOORING, *see* "CATALOGUE."

FLOORS.

WEIGHTS PER FOOT SUPER FLOORS SHOULD CARRY.

Dwelling houses, 1½ cwt.
Warehouses, factories, &c., 2½ to 5 cwt.
Public buildings, schools, &c. 1½ to 2 cwt.

TABLE OF WOOD GIRDERS, BINDERS, AND JOISTS, IN BALTIC FIR.

Length of bearing in feet.	GIRDERS. 10 ft. apart.		BINDERS. 4 to 6 ft. apart.		JOISTS. 1 ft. apart.		CEILING JOISTS. 1 ft. apart.	
	Depth in ins.	Breadth in ins.	Depth in ins.	Breadth in ins.	Depth in ins.	Breadth in ins.	Depth in ins.	Breadth in ins.
4	—				—	—	2½	1½
6	—		6	4	6	2	3½	2
8	—		7	4½	7	2½	4	2
10	9	7	8	5	7½	2½	5	2
12	10	8	9	5½	8	2½	6	2½
14	11	9	10	6	9	2½	—	—
16	12	10	11	6½	10½	2½	—	—
18	12	11	12	7	12	2½	—	—
20	13	11	13	7½	12	3	—	—
24	15	12	—	—	—	—	—	—
26	16	12	—	—	—	—	—	—
28	16	13	—	—	—	—	—	—
30	16	14	—	—	—	—	—	—

TRIMMING JOISTS should be 1 inch thicker than ordinary joists.

Floors of wide span should have a slight rise in the centre to allow for sagging.

HOOP IRON 2 in. to 3 in. wide or 2 in. by ⅜ in. bearing iron should be used instead of WOOD PLATES. Ends of timbers should have an air space all round them, and timber floors should be ventilated.

No timber should enter a wall nearer than 9 in. to any flue.

HERRING BONE STRUTTING, 2 in. by 2 in., spiked the full depth of joists, or 1½ in. SOLID BRIDGING every 4 feet apart.

A ¾ in. TIE ROD through the joists by the side of solid strutting adds greatly to the strength and stiffness of the floor.

L. B. ACT, 1894.—*Digest.*

Floors under and 18 in. around OVENS, COPPER and STEAM BOILERS, or STOVES, not heated by gas, to be formed of incombustible and non-conducting material 6 in. thick. Floors over FURNACES and within 18 in. of crown of ovens shall be of fire-resisting materials.

FONTS.

At W. end of the nave, not under a gallery. Allow room enough for minister and sponsors. Stone or marble as directed by the Canon, and large enough for immersion of infants. Provide cover, plug, and chain, and drain to dry well, or into a drain. If of porous stone, line with lead or copper. Raise on platform at least 1 step up.

Ordinary size, 30 in. across, 30 to 40 in. high.

FOUNDATIONS.

SAFE LOAD PER FOOT SUPER.

Made Ground	1 ton.
Gravel, clay, or soft rock ...	2 ,,
Hard rock	3 to 9 tons.
Portland cement concrete ...	8 tons.
Blue Lias	5 tons.
Stone Lime	2 to 3 tons.

FOUNDATIONS TO COLUMNS AND STANCHEONS.

Safe load of stone base determines the area of base flange, but larger often advisable, to give lateral steadiness.

Practical limit to size of stone base 4 ft. × 4 ft. and 2 ft. deep. If larger required, then cast iron base plate leaded direct on concrete or brick foundation. Portland cement should always be used in foundations to piers.

Thickness of bed should be $1\frac{1}{2}$ times the projection of the stone beyond the column base, the thickness of concrete should be twice the projection beyond the stone.

L.C.C. BYE-LAWS. *Digest.*

No building allowed on any site filled in or covered with refuse matter.

Site to be covered with concrete 6 inches thick, smoothed on top.

Concrete under walls to be at least 9 inches thick, and 4 inches wider than footings on each side. If natural gravel site, concrete may be omitted with approval of surveyor.

Composition of Lime Concrete, 1 to 6 of Ballast.
,, ,, Cement ,, 1 to 8 ,, ,,

FRONTAGES.

L.B. ACT, 1894, AND BYELAWS. *Digest.*

APPLICATIONS TO COUNCIL.—Plans 22 ft. to 1 in. Show position of building in relation to others adjacent, height and distance from centre of road, extent and site of old buildings, and figure width of street. Give names and addresses of owners of nearest building on each side. See also "L.C.C., Application to."

GENERAL LINE.—Consent of Council necessary to project where old line of frontage is within 50 ft. of highway. General line to be defined by superintending architect within one month of application. Consent may be subject to conditions.

Consent to any erection beyond general line does not affect or alter general line elsewhere.

BUILDINGS TAKEN DOWN, OR DESTROYED BY FIRE to one half cubical extent may be set back by order of Council. The Council to pay COMPENSATION for damage and expenses. Amount if not agreed within two months may be recovered, or if exceeding £50 settled by arbitration under Land Clauses Act.

Local authority or person agrieved by certificate of frontage line, may APPEAL TO TRIBUNAL. The above not applicable within the city.

GAS FITTING.

Pressure of gas at the burners should be from $\frac{5}{10}$ to $\frac{6}{10}$ of an inch.

Allow 4 c. ft. per hour for internal lights, 5 c. ft. for external, and 6 to 10 c. ft. for argand burners.

SERVICE PIPES should be laid with a fall to the main to drain out the condensation. Place syphons with screw plugs at any depression in the pipes.

Size of service will depend on number of burners, length of piping, number of bends, and height of service.

Gas piping should not be buried in plaster.

Gas burners should be fixed at least 3 ft. from ceiling.

Light decreases in the ratio of the square of its distance from its source.

AVERAGE SIZE OF TUBING REQUIRED.

lights	in.	50 lights	1 in.
6 ,,	$\frac{3}{8}$,,	75 ,,	$1\frac{1}{4}$,,
12 ,,	$\frac{1}{2}$,,	110 ,,	$1\frac{1}{2}$,,
18 ,,	$\frac{5}{8}$,,	150 ,,	$1\frac{3}{4}$,,
27 ,,	$\frac{3}{4}$,,	200 ,,	2 ,,

Owing to increase of pressure at the higher levels a gas governor should be placed at every 30 feet of rise.

GAS COOKING AND WARMING STOVES should have a separate pipe from the meter.

GAS METERS are capable of supplying about 80 per cent. more lights than their indicated capacity.

GIRDERS and JOISTS.

Safe Load $\frac{1}{4}$ breaking weight.

STEEL JOISTS carry 40 per cent. more than IRON JOISTS of same section, but the elasticity is nearly the same for each, so greater depth in proportion to span will be required for steel joists subjected to a heavier load.

Iron and steel joists should not exceed $\frac{1}{28}$ of span, or steel joists with the heavier load, $\frac{1}{15}$ to $\frac{1}{20}$.

Deflection should not exceed $\frac{1}{8}$ in. for every 4 ft. of span. Fix joists and girders with a camber of 1 in. in 30 ft.

Two or more single joists used side by side may be bolted together, the bolts passing through pieces of iron tubing to keep them spaced apart.

Holes for RIVETS in compound girders and joists should be *drilled.*

Ends of joists and girders BEARING ON WALLS should have felt or 5 lb. lead seating on hard York templates.

Ends BEARING ON COLUMNS OR STANCHEONS should be secured by bolting the webs to lugs cast on the column or stancheon in the case of a light load, or with angle irons rivetted to the web for heavy loads. To secure a good bearing use lead seating or caulk with iron cement.

STEEL ROLLED JOISTS.

Safe distributed load in tons at about $\frac{1}{3}$ of breaking weight.

To find the safe load for any span, divide the given safe load for one foot by the number of feet of the span required.

Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.	Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.
	Ins.	Ins.	lbs.	Tons.		Ins.	Ins.	lbs.	Tons.
A	$3\frac{1}{8}$	× $1\frac{1}{2}$	$4\frac{1}{4}$	8	N	8	× 5	27	125
B	3	× 3	9	16	O	8	× 6	30	150
C	4	× 2	6	13	P	9	× 4	21	116
D	4	× 3	10	25	Q	9	× 7	52	280
E	$4\frac{3}{4}$	× $1\frac{3}{4}$	7	18	R	10	× $4\frac{1}{2}$	$27\frac{1}{2}$	160
F	5	× 3	11	30	S	10	× 5	30	184
G	5	× $4\frac{1}{2}$	19	55	T	10	× 6	42	250
H	$6\frac{1}{4}$	× 2	10	30	U	12	× 5	37	258
I	$6\frac{1}{4}$	× $3\frac{1}{8}$	13	45	V	12	× 6	45	320
J	6	× 5	$24\frac{1}{2}$	93	W	$14\frac{3}{16}$	× $5\frac{1}{2}$	48	440
K	7	× $2\frac{1}{4}$	11	42	X	$15\frac{3}{4}$	× $6\frac{1}{2}$	63	599
L	7	× 4	17	70	Y	$17\frac{3}{4}$	× $6\frac{1}{4}$	78	730
M	8	× 4	19	90	Z	$19\frac{1}{4}$	× $7\frac{1}{4}$	95	987

Girders and Joists—*continued.*

STEEL COMPOUND GIRDERS.

A

To find the safe load for any span divide the given safe load for one foot by the number of feet of the span required.

Note. The rolled joists of which the girders are composed are denoted by the reference letters, and are given in the table of rolled steel joists.

AS SECTION A.

Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.	Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.
	Ins.	Ins.	lbs.	Tons.		Ins.	Ins.	lbs.	Tons.
M	$8\frac{3}{8}$	× 6	38	168	V	13	× 10	82	530
P	$9\frac{3}{4}$	,, 8	44	215	W	$15\frac{3}{16}$	,, 10	86	706
O	9	,, 9	63	267	X	$16\frac{3}{4}$	,, 9	97	780
S	11	,, 9	64	370	X	$16\frac{3}{4}$	,, 10	101	860
U	13	,, 9	71	456	Y	$18\frac{3}{4}$	,, 12	124	1170

B

AS SECTION B.

Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.	Reference Letters.	Depth.	Width.	Weight per foot.	Span on foot.
	Ins.	Ins.	lbs.	Tons.		Ins.	Ins.	lbs.	Tons
N	9	× 12	99	440	V	13	× 14	142	906
O	9	,, 14	112	560	V	$13\frac{1}{8}$	,, 12	155	1138
P	10	,, 9	76	376	W	$15\frac{3}{16}$	,, 14	148	1188
S	11	,, 12	105	600	X	$16\frac{3}{4}$	,, 14	177	1580
U	13	,, 12	119	834	Y	$18\frac{3}{4}$	,, 14	210	1900

C

AS SECTION C.

Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.	Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.
	Ins.	Ins.	lbs.	Tons.		Ins.	Ins.	lbs.	Tons
M	9	× 16	120	580	U	13	× 18	178	1284
O	9	,, 18	156	840	V	13	,, 18	202	1400
P	10	,, 16	123	726	W	$15\frac{3}{16}$	,, 18	212	1780
S	11	,, 18	157	960	X	$16\frac{3}{4}$	,, 20	264	2160

D

AS SECTION D.

E

AS SECTION E.

Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.	Reference Letters.	Depth.	Width.	Weight per foot.	Span one foot.
	Ins.	Ins.	lbs.	Tons.		Ins.	Ins.	lbs.	Tons.
O	16	× 6	62	330	P	19	× 8	72	460
P	18	,, 4	44	200	S	21	,, 8	91	790
S	20	,, 5	62	400	S	21	,, 9	95	840
U	24	,, 5	76	610	U	25	,, 9	125	1128
W	$28\frac{3}{8}$	,, $5\frac{1}{2}$	98	832	W	$29\frac{3}{8}$	,, 9	131	1250

AS SECTION F.

F

Reference Letters.	Depth.	Width.	Weight per foot.	Span on foot.
	Ins.	Ins.	lbs.	Tons
P	20 ×	12	172	1690
S	22 ,,	12	208	2048
V	26 ,,	12	268	2462
W	$30\frac{3}{8}$,,	12	284	2794

GLAZING.

SHEET GLASS is made in four qualities for window glazing, viz., Best, Seconds, Thirds, and Fourths. The latter inferior and seldom used.

15 to 16 oz. per foot is $\frac{1}{14}$ to $\frac{1}{12}$ in. thick.
21 oz. ,, ,, $\frac{1}{10}$ in. thick.
26 ,, ,, ,, $\frac{1}{8}$,, ,,
32 ,, ,, ,, $\frac{1}{7}$,, ,,
36 ,, ,, ,, $\frac{1}{6}$,, ,,
42 ,, ,, ,, $\frac{1}{5}$,, ,,

GROUND GLASS is made of similar substance.

COLOURED GLASS is made in 16, 21, 26, and 32 oz.

ENAMELLED or EMBOSSED is made 15, 21, and 26 oz.

FLUTED is made 15, 21, 26, and 32 oz.

SHEET GLASS can be FACE POLISHED and BENT to any curve.

ROLLED PLATE.

2 lbs. per foot is $\frac{1}{8}$ in. thick.
$2\frac{3}{4}$,, ,, $\frac{3}{16}$,, ,,
$3\frac{1}{2}$,, ,, $\frac{1}{4}$,, ,,
$4\frac{1}{4}$,, ,, $\frac{5}{16}$,, ,,
5 ,, ,, $\frac{3}{8}$,, ,,

PATENT PLATE is sheet glass polished on both sides, in Best, Second, and Third qualities, and in thickness as follows :—

13 oz. per foot is $\frac{1}{16}$ in. thick.
17 ,, ,, $\frac{1}{12}$,, ,,
21 ,, ,, $\frac{1}{10}$,, ,,
24 ,, ,, $\frac{1}{8}$ to $\frac{1}{6}$,, ,,

ROUGH PLATE (plain or fluted) is $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, and $\frac{3}{8}$ in. thick.

ROUGH CAST PLATE is $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1 in. thick, used for pavement, roof, and skylights.

POLISHED PLATE. Three qualities—ordinary, best, and silvering.

$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, and 1 in. thick.

$\frac{1}{4}$ in. usual thickness.

When used for shelves, edges must be ground and polished. Can be bent, and edges can be bevelled.

CATHEDRAL GLASS is rolled plate about 26 oz. and $\frac{1}{8}$ in. thick, white and tinted.

GLASS SLATES of rough plate, $\frac{1}{8}$ to $\frac{1}{2}$ in. thick.

GLASS TILES, rolled rough plate, $\frac{1}{8}$ to $\frac{1}{2}$ in. thick, and in sheet glass.

GLASS in DOORS should be embedded in wash-leather and secured by wood beads.

GLAZING INTO STONEWORK should be with oil cement. Glazing should be secured with copper sprigs, and if large and heavy plate glass, with small brass screws and puttied.

Woodwork should be painted 2 oils before glazing.

FIGURED and RIBBED GLASS should have smooth side out.

PUTTY is composed of whiting and linseed oil well mixed.

HABITABLE ROOMS.

L.B. ACT, 1894.—*Digest.*

To be at least 8 ft. 6 in. in height throughout, or if in roof 8 ft. for at least half the area.

Window or windows to open into open air or conservatory, and to equal at least $\frac{1}{10}$ of floor area, and $\frac{1}{2}$ to open, such opening to extend to at least 7 ft. above floor, but a room with no external wall or constructed wholly or partially in the roof, may have dormer window with clear light equal to $\frac{1}{12}$ of floor area, and at least half to open. Such opening to extend to at least 5 ft. from floor, or such room may have a lantern light, of which a portion equal to $\frac{1}{20}$ of area of room must open.

BASEMENT ROOMS in dwellings must have space for ventilation under floors unless wood blocks on concrete.

HABITABLE ROOMS OVER STABLES.—Floor to have pugging 3 in. thick, and finished smooth on upper surface, and underside lath and plaster or other solid construction. Any staircase, gallery or structure by which such rooms are approached to be separated from stable by a 9 in. brick wall.

Habitable Rooms—*continued.*

This act does not repeal Public Health Act relating to underground rooms.

HAY.—WEIGHT OF.

1 truss = 56 lbs. (avoir.) of old hay.
1 ,, = 60 ,, of new hay.
1 load = 18 cwt. of old hay.
1 ,, = 19 ,, 32 lbs. of new hay.
1 ,, = 36 trusses.

HEARTHS.

L.B. ACT, 1894.—*Digest.*

To be 6 in. longer each side than opening, and 18 in. wide in front of breast. Those on lowest floor to be bedded on concrete covering site, or on solid materials placed on same. On other floors to be on stone or iron bearers or brick trimmer, or other incombustible material.

The hearth together with the substance on which it is bedded to be at least 6 in. thick.

HEATING.

Hot water piping required in coldest weather to warm 1000 c. feet, and temperature required for various purposes:

	Length of Pipe. 4" dia.	3" dia.	2" dia.
Domestic Apartments, 60° to 65°	12 ft.	16 ft.	24 ft.
Greenhouses and Conservatories, 55° to 60°	36 ft.	48 ft.	72 ft.
Hot Houses, 80°	55 ft.	74 ft.	110 ft.
Hospitals, General and Fever Wards, 60°	15 ft.	20 ft.	30 ft.
Hospitals, Diphtheria and Enteric Fever Wards, 65°	18 ft.	24 ft.	36 ft.
Public Buildings, 55°	7 ft.	10 ft.	14 ft.
Schools, 60°	9 ft.	12 ft.	18 ft.
Warehouses, Workrooms, and Factories, 55°	7 ft.	10 ft.	14 ft.
Drying Closets, 120°...	175 ft.	235 ft.	350 ft.

Buried pipes require 25% more for loss of heat.

1 square foot of boiler surface will heat about 40 ft. of 4 in. pipe, 70 ft. of 3 in., and 160 ft. of 2 in. pipe.

Wrot. iron boilers take less time to heat than cast iron, but are more liable to rust.

Pipes should have a continuous rise to the highest point, and a continuous fall to the boiler. The least rise in any part of their length should be 6 in. to 8 in. in 100 feet.

In warming buildings, the entrance halls, corridors, and adjuncts, etc., should be included, to avoid draughts, and pipes, coils, etc., should preferably be placed near windows and all cooling surfaces.

It is always desirable to combine ventilation with warming by means of radiators, warm air stoves, or the Plenum system.

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LOW PRESSURE HOT WATER HEATING.

Under ordinary conditions and in the absence of known constants for Air, and co-efficients for Cooling Surfaces, the following tables for proportioning heating surface in radiators or pipes to cubic contents of rooms, can be used in figuring upon any ordinary low-pressure Hot Water heating scheme (close approximation).

External Temperature 25° Fahr. } Range 35° Fahr.
Internal ,, 60° ,, }

Minimum Temperature of Water in Radiators 160° Fahr.

Radiation to be Used. Description of Apartments Warmed.	Direct.	Direct-Indirect.	Indirect.
	One square foot of surface in Radiators, heats		
Entrance Halls, Staircases, Corridors ...	80 cub. ft.	64 cub. ft.	54 cub. ft.
Dwelling Rooms— with 1 exposure* ...	76 ,,	61 ,,	51 ,,
,, 2 ,, ...	72 ,,	58 ,,	48 ,,
,, 3 ,, ...	68 ,,	55 ,,	46 ,,
,, 4 ,, ...	64 ,,	52 ,,	43 ,,
School Rooms	100 ,,	80 ,,	67 ,,
Business Shops and Offices	120 ,,	96 ,,	76 ,,
Workrooms for Men or Women	150 ,,	120 ,,	100 ,,
Churches, Chapels, Assembly Rooms ...	150 ,,	120 ,,	100 ,,
Factories, Workshops, Warehouses ...	175 ,,	138 ,,	117 ,,

Mains and Branches.

Sizes of Pipes corresponding to Radiator Surface supplied by them.

* Exposure means—any wall, ceiling, or floor exposed to the outer air.

Heating—*continued.*

Diam. of Pipe	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Maximum sq. ft. of Radiation it will supply [sq. ft.	75	120	195	320	490	650	870	1120	1700	2600

The following Table will serve as a guide to fitters :—

Main	Branches.
1 in. will supply	$2\frac{3}{4}$ in.
$1\frac{1}{4}$,, ,, ,,	2 1 in.
$1\frac{1}{2}$,, ,, ,,	2 $1\frac{1}{4}$ in.
2 ,, ,, ,,	2 $1\frac{1}{2}$ in.
$2\frac{1}{2}$,, ,, ,,	2 $1\frac{3}{4}$ in. and 1 $1\frac{1}{4}$ in., or 1 2 in. and 1 $1\frac{1}{2}$ in.
3 ,, ,, ,,	1 $2\frac{1}{2}$ in. and 1 2 in., or 2 2 in. and 1 $1\frac{1}{2}$ in.
$3\frac{1}{2}$,, ,, ,,	2 $2\frac{1}{2}$ in., or 1 3 in. and 1 2 in., or 3 2 in.
4 ,, ,, ,,	1 $3\frac{1}{2}$ in. and 1 $2\frac{1}{2}$ in., or 2 3 in., or 4 2 in.
$4\frac{1}{2}$,, ,, ,,	1 $3\frac{1}{2}$ in. and 1 3 in., or 1 4 in. and 1 $2\frac{1}{2}$ in.
5 ,, ,, ,,	1 4 in. and 1 3 in., or 1 $4\frac{1}{2}$ in. and 1 $2\frac{1}{2}$ in.
6 ,, ,, ,,	2 4 in. and 1 3 in., or 4 3 in., or 10 2 in.
7 ,, ,, ,,	1 6 in. and 1 4 in., or 3 4 in. and 1 2 in.
8 ,, ,, ,,	2 6 in. and 1 5 in., or 5 4 in. and 2 2 in.

Nominal inside Diam. of Wrot. Iron Pipe	Inches. 1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Length of Pipe containing one sq. ft. of outside heating surface [feet.	2·9	2·3	2·0	1·6	1·32	1·09	0·95	0·84	0·68	0·57

Diameter of Pipe in inches squared × ·034 = Imp. gall. per ft. run.

Diameter of Pipe in inches squared × ·34 = weight of water in lb. per ft. run.

Diameter of pipe in inches squared × ·7854 = cross sectional area.

1 cubic ft. of water = 28·3 litres, or 6·25 Imperial gallons.

Imperial gallons × ·16 = cubic feet.

RADIATORS 38 in. high contain about 1 gallon of water per section of 4 square feet prime heating surface.

Surface equivalents in cast-iron hot water pipes are for 2 inches diameter = 94, 3 inch = 132, and 4 inch = 169 square inches.

Head of water in feet × ·434 = pressure in lbs. per sq. inch of surface.

Linear expansion of hot water pipes from 32deg. to 212 deg. Fahr. = 1·33 inches in 100 feet.

Expansion Tank.

In low pressure hot water schemes, select an Expansion Tank equal in capacity to one-twentieth the total gallons contained in Boiler, Mains, and Radiators, exclusive of space occupied by volume of water necessary to lift the ball valve, if one is used in the tank.

LOW PRESSURE STEAM HEATING.

Working Steam Pressure up to 6 pounds.

Radiation to be used. Description of Apartments Warmed.	Direct.	Direct-Indirect.	Indirect.
	One square foot of surface in Radiators, heats		
Entrance Halls, Staircases, Corridors	140 cub. ft.	112 cub. ft.	95 cub. ft.
Dwelling Rooms— with 1 exposure*	133 ,,	106 ,,	90 ,,
,, 2 ,, ...	126 ,,	102 ,,	84 ,,
,, 3 ,, ...	119 ,,	97 ,,	80 ,,
,, 4 ,, ...	112 ,,	92 ,,	76 ,,
School Rooms ...	175 ,,	140 ,,	118 ,,
Business Shops and Offices	210 ,,	168 ,,	134 ,,
Workrooms for Men or Women ...	262 ,,	210 ,,	175 ,,
Churches, Chapels, Assembly Rooms	262 ,,	210 ,,	175 ,,
Factories, Workshops, Warehouses ...	306 ,,	242 ,,	204 ,,

Mains and Branches.

To determine the size of pipes no fixed rule can be given which will apply in all cases. A rule that has generally been accepted by steam fitters as good practice, is to allow the area of one inch pipe (·7854 square inches) for every hundred square feet of radiating surface, including mains.

LIST OF SIZES OF STEAM MAINS.

Radiation.	One pipe work.	Two pipe work.
40 to 50 sq. ft.	1 inch	$\frac{3}{4}$ × $\frac{3}{4}$ inch.
100 ,, 125 ,,	$1\frac{1}{4}$,,	1 ,, $\frac{3}{4}$,,
125 ,, 250 ,,	$1\frac{1}{2}$,,	$1\frac{1}{4}$,, 1 ,,
250 ,, 400 ,,	2 ,,	$1\frac{1}{2}$,, $1\frac{1}{4}$,,
400 ,, 650 ,,	$2\frac{1}{2}$,,	2 ,, $1\frac{1}{2}$,,
650 ,, 900 ,,	3 ,,	$2\frac{1}{2}$,, 2 ,,
900 ,, 1250 ,,	$3\frac{1}{2}$,,	3 ,, $2\frac{1}{2}$,,
1250 ,, 1600 ,,	4 ,,	$3\frac{1}{2}$,, 3 ,,
1600 ,, 2050 ,,	$4\frac{1}{2}$,,	4 ,, $3\frac{1}{2}$,,
2050 ,, 2500 ,,	5 ,,	$4\frac{1}{2}$,, 4 ,,
2500 ,, 3600 ,,	6 ,,	5 ,, $4\frac{1}{2}$,,
3600 ,, 5000 ,,	7 ,,	6 ,, 5 ,,
5000 ,, 6500 ,,	8 ,,	7 ,, 6 ,,
6500 ,, 8100 ,,	9 ,,	8 ,, 6 ,,
8100 ,, 10000 ,,	10 ,,	9 ,, 6 ,,

Heating—*continued.*

Proportioning Boiler Surface and Grate Area to Radiating Surface.

It is considered safe practice to allow 1 Horse Power, viz.: 15 superficial square feet of Boiler surface, with $\frac{3}{4}$ square foot of grate area, to 150 superficial square feet of "Direct" heating surface in Radiators.

Sizes of Smoke Flues in Chimneys for Heating Systems.

Chimneys should be of ample height and area to insure a good draught. A square or round chimney will give the best results, and it should have an area of not less than 25 to 30 square inches for every square foot of grate surface; never connect a boiler to a chimney having less than 8 by 6 inches inside dimensions.

NOTE.—The above data is based upon an air change in Rooms not exceeding 3 times per hour, and upon the heating requirements of ordinary building construction in the United Kingdom without resorting to any supplementary heating medium.

"Direct Radiators" provide for warming circulating air. "Direct-Indirect Radiators" provide for warming ventilating or circulating air. "Indirect Radiators" provide for warming ventilating air.

HEIGHT OF BUILDINGS.

L.B. ACT, 1894.—*Digest.*

No building (except church or chapel) may exceed 80 ft. in height (exclusive of two stories in roof, turrets, towers, &c.) without consent. This provision does not prevent, in case of buildings existing at the date of passing of Act, their re-erection to old height, nor the raising of other buildings in the same block or row and belonging to the same owner.

Notice of consent by Council to greater height than 80 ft. must be published and served within one week, in such manner as the Council may direct, and not be acted on until 21 days after publication, or in the event of an appeal until the determination of such.

In case of refusal, notice of appeal must be given within 21 days of refusal in such manner as the council may direct to owners and lessees within 100 yards.

No building (except church or chapel) on the side of a street formed since Aug. 7, 1862, and less than 50 ft. wide, shall without consent be raised or erected to a height exceeding the distance of the front external wall from the opposite side of street.

CORNER SITE.—Unless Council otherwise consent the height to be regulated by width of wider street, so far as it abuts on such street and 40 ft. of return. Any building erected before 1894 can be re-erected to old height, if in conformity with laws previously in force. RAISING TOP STORY allowed to comply with provision of act relating to HABITABLE ROOMS, other provision of act notwithstanding.

HOARDINGS.

L.C.C. BYELAWS.—*Digest.*

No existing hoardings to be increased above 12 ft. in height. No new hoarding to be erected above 12 feet in height.

See also "TEMPORARY BUILDINGS."

HOOP IRON.

WEIGHT PER 100 FEET.

B. W. Guage.	Width. Ins.	Weight. lbs.	ozs.
11	3	126	5
11	$2\frac{3}{4}$	115	12
12	$2\frac{1}{2}$	91	12
12	2	73	7
13	$2\frac{1}{4}$	71	4
13	2	63	5
13	$1\frac{3}{4}$	55	6
14	$1\frac{1}{2}$	47	2
14	$1\frac{1}{4}$	40	7
15	$1\frac{1}{8}$	36	6
15	$1\frac{1}{8}$	33	5
16	$1\frac{1}{4}$	26	8
17	$1\frac{1}{8}$	20	15
18	1	16	3
19	$\frac{7}{8}$	12	6
20	$\frac{3}{4}$	8	13
21	$\frac{5}{8}$	6	14

HOSPITALS.

SPACE depends on distance of sick apart for facility of moving, shifting of beds, nursing, and number of students attending instruction.

SPACE PER PATIENT.

Average (exclusive of medical school), 90 ft. super, and 1,100 c. ft.

St. Thomas, 112 ft. super; Guys, 138 ft. super.

For lying in, FEVER, or SURGICAL WARDS, 150 to 200 ft. super.

In LYING IN HOSPITALS, separate rooms are better. Say 160 ft. super each, and open into corridor open to air. Each room with scullery and sink.

HEIGHT OF WARDS, 13 ft. WIDTH, 26 or 28 ft.

SCARLET FEVER. Wall space, 12 ft., or floor space, 156 ft. super.

DIPHTHERIA and ENTERIC FEVER. Wall space, 15 ft., or floor space, 195 ft. super.

WORKHOUSE HOSPITALS, 70 sq. ft. and 850 c. ft. and 6 ft. clear across beds. Special for FEVER and SMALL POX, 166 sq. ft. and 2,000 c. ft.

LYING IN WARD in WORKHOUSE HOSPITAL, min. 100 sq. ft. and 1,200 c. ft.

WARDS in use partly by day and night for infirm and chronic cases, WITH USE OF DAY ROOM, 42 ft. super and 500 c. ft.

WINDOWS preferably on opposite sides, and placed to give direct light on bed not obstructed by attendants.

W. C.s, AND SLOP AND SCALDING SINKS in separate turrets, with intervening lobby with windows on opposite sides.

Cupboard for storing utensils kept for examination should be open to air at back.

AXIS OF WARDS, N.E. and S.W. to allow maximum of sun.

PAVILIONS, preferably one story, 50 ft. space between. Where more than one story, then separate staircases.

Buildings for different purposes should be completely isolated. No infected building should be nearer than 40 ft. from boundary, or to any other building, infected or otherwise.

Internal FINISHINGS should be plain, and free from all angles and crevices likely to harbour dust.

SMALL-POX HOSPITAL should not be erected on a site within $\frac{1}{4}$ mile of either another hospital or a workhouse, or a population of 150 to 200 persons; nor on a site within $\frac{1}{2}$ mile of a population of 500 to 600 persons.

NURSES SEPARATE BEDROOMS about 13 ft. × 8 ft. 6 in. Baths, 1 to 8 nurses.

HOT WATER SUPPLY.

HOT WATER TANKS.

Gallons.	Length. ft.	in.	Width. ft.	in.	Depth. ft.	in.
20	1	8	1	3	1	6
25	2	0	1	5	1	5
30	2	0	1	6	1	7
40	2	3	1	8	1	8
50	2	5	1	10	1	10
60	2	6	1	11	2	0
80	2	10	2	3	2	0
100	3	2	2	3	2	3

Made No. 16 gauge, No. 14 gauge, No. 12 gauge, $\frac{1}{8}$ plate, or 10 gauge, $\frac{3}{16}$ plate, being gauges before galvanizing.

HOT WATER CYLINDERS, *galvanized.*

Gallons.	Dia. in.	Height.	Gallons.	Dia. in.	Height.
15	15	30	40	20	36
18	15	33	43	20	39
20	15	36	40	20	42
25	15	39	49	20	45
30	18	33	53	20	48
35	18	39			

Same gauges as hot water tanks.

IRON.

TESTS OF QUALITY.

Tests for Cast Iron.—The surface of a casting should be smooth and even, the edges clean and perfect. A new fracture should present a fine-grained texture, have bright metallic lustre, and be of a uniform blue-grey colour. Should be free from air bubbles, scoriæ, flaws, and other defects. Flaws and air bubbles at times get filled

Iron—*continued.*

in with sand, or are purposely stopped in. These defects may be detected by a dulness of sound on the metal being struck. The edges of a casting struck with a light hammer should receive a slight impression indicating that it is tough. If it fracture, the metal is hard and brittle. Test bars of the same metal as castings are sometimes run for the purpose of testing.

Tests for Wrought Iron.—Subject it to sudden blows by a falling weight to test its toughness. To tensile strain to test its ductibility, it should stretch before fracture. Soak a bar of iron for a few days in very weak muriatic or nitric acid, which will render its fibrous structure visible, and in best iron its fibres will appear fine, straight, and lie regularly side by side; in inferior iron the fibres will be coarser and not so regular in arrangement.

Tests for Steel are the same as for wrought iron.

PRESERVATION OF IRON.

Galvanizing consists of a thin coating of zinc, applied by steeping the heated iron in chloride of zinc to act as a flux, and then dipping it into molten zinc.

IRON BUILDINGS.

GALVANIZED CORRUGATED SHEETS.

Eight 3″ corrugations covering 2 ft. wide when fixed, 5 to 10 ft. long.

Approximate Weight per sheet in lbs.

Length.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
16 W.G.	$33\frac{1}{4}$	40	$46\frac{1}{2}$	$53\frac{1}{2}$	60	$66\frac{1}{2}$
18 W.G.	$26\frac{3}{4}$	32	$37\frac{1}{4}$	$42\frac{3}{4}$	48	$53\frac{1}{4}$
20 W.G.	$21\frac{1}{4}$	$25\frac{1}{2}$	$29\frac{3}{4}$	34	$38\frac{1}{4}$	$42\frac{1}{2}$
22 W.G.	$16\frac{3}{4}$	20	$23\frac{1}{4}$	$26\frac{1}{2}$	30	$33\frac{1}{4}$
24 W.G.	$13\frac{1}{4}$	16	$18\frac{3}{4}$	$21\frac{1}{4}$	24	$26\frac{1}{4}$
26 W.G.	$10\frac{1}{2}$	$12\frac{1}{2}$	$14\frac{1}{2}$	$16\frac{1}{2}$	$18\frac{3}{4}$	$20\frac{3}{4}$
28 W.G.	9	$11\frac{1}{4}$	13	15	$16\frac{3}{4}$	$18\frac{3}{4}$

LIGHTNING CONDUCTORS.

Copper conductors best. Conductivity of iron only $\frac{1}{8}$ that of copper.

Copper conductors are made in the form of rods, tubes, ropes, and tapes.

Copper conductors should weigh not less than 6 ozs. per foot run and have not more than 10 per cent. of alloy, and iron should weigh not less than $2\frac{3}{4}$ lbs. per foot.

Conductors should protect an area equal to a circle whose radius corresponds with the height of the conductor from the ground.

Conductors should be fixed on side exposed to rainy quarter, and terminate in wet ground if possible. Should be connected with external ironwork and any great masses of metal, whether inside or outside of buildings, and be kept clear of gas tubing and electric wires, and of all soft pipes. Bells in spires which are adequately protected need not be connected.

Sharp bends should be avoided, connections, &c., should allow for expansion and contraction of metal. There should be few joins and such should be perfect, either screwed or sarfed and rivetted together and soldered.

Each connection in permanently wet soil in well, attached to water main (not lead) and soldered to it, or attached to plate of copper 3 feet × 3 feet × $\frac{1}{16}$ inch buried in a trench filled with ashes or powdered charcoal.

The lower part of conductor for a height of say 10 feet should be protected by encasing in an iron pipe fixed to wall.

SIZES AND WEIGHT OF COPPER CONDUCTORS.

Rods—per ft. run.			ozs.
$\frac{3}{8}$ in.	...	...	6·88
$\frac{1}{2}$ in.	...	...	12·16
$\frac{5}{8}$ in.	...	...	19
$\frac{3}{4}$ in.	...	...	27
Tubes—$\frac{1}{8}$ in. metal per ft. run.			**ozs.**
$\frac{5}{8}$ in.	...	...	16·5
$\frac{3}{4}$ in.	...	...	21·4
1 in.	...	...	27
$1\frac{1}{8}$ in.	...	...	30

Lightning Conductors—*continued.*

Tapes—per foot run.	ozs.
$\frac{5}{8} \times \frac{1}{12}$ in.	3·2
$\frac{3}{4} \times \frac{1}{8}$ in.	5·73
$1 \times \frac{1}{8}$ in.	7·64
$1\frac{1}{4} \times \frac{1}{8}$ in.	9·55
$1\frac{1}{2} \times \frac{1}{8}$ in.	11·46
$2 \times \frac{1}{8}$ in.	15·28

CONDUCTING POWER OF METALS.

Silver ...	1000	Iron ...	168
Copper ...	999	Nickel ...	131
Gold ...	779	Tin ...	123
Zinc ...	290	Lead ...	83
Palladium ...	184	Antimony...	46
Platinum ...	180	Bismuth ...	12

LIMES, CEMENTS, AND PLASTERS.

For proportions to use see

"CONCRETE," "MORTARS AND CEMENTS," AND "PLASTERING."

There is no precise line between hydraulic limes and cements, the latter containing a larger proportion of clay than limes.

GREY CHALK OR STONE LIME, feebly hydraulic, is the lime generally used in mortar.

BLUE LIAS, hydraulic, is superior, and makes stronger work.

SELINITIC CEMENT is prepared from Blue Lias.

ROMAN CEMENT is quick setting but weak, rapidly reduced in strength by the addition of sand, and quickly becomes inert unless kept close and dry. If used in concrete the face sets hard and the interior remains soft for a long time. Strength 90lbs. per sq. inch. After 7 days' immersion should not weigh more than 60lbs. per cubic foot.

PORTLAND CEMENT is strongest. It varies from 80lbs. (slow setting) to 130lbs. (quick setting) to the striked bushel; 110 to 120lbs. most serviceable for building purposes.

Fineness, weight, and slow setting indicate good qualities.

When passed through a fine sieve with 2,500 perforations per square inch, should not reject more than 15 per cent., and be capable of a tensile strain of 350lbs. per square inch after 7 days' immersion.

GYPSUM is hydrated sulphate of lime, and is the basis of most plasters.

PLASTER OF PARIS is gypsum gently calcined until nearly the whole of the moisture is driven off.

KEEN'S CEMENT is Plaster of Paris soaked in solution of alum and recalcined.

PARIAN CEMENT is gypsum calcined and powdered and mixed with a solution of borax, recalcined. Ground and mixed with a solution of alum. There are two qualities of this cement—the "Superfine" and the "Coarse."

MARTIN'S CEMENT is similar to Parian, except that carbonate of potash is substituted for borax, and hydrochloric acid is sometimes added. There are three qualities of this cement—"superfine," "fine," and "coarse."

BARROW HYDRAULIC PLASTER is non-absorbent, and requires fewer coats of paint than ordinary plaster; being hydraulic is suitable for damp situations: there is also an absence of blowing.

LINTELS.

1 inch in depth for every foot of bearing and full width of opening; if no relieving arch, then $1\frac{1}{4}$ inch deep per foot.

London Building Acts (Amendment) Act, 1905.

CHAPTER ccix.

An Act to amend the Acts relating to buildings in London to confer various powers on the London County Council and for other purposes.

[11th August 1905.]

(57 & 58 Vict. c. ccxiii. 61 & 62 Vict. c. cxxxvii.)

WHEREAS the provisions contained in the London Building Act 1894 (hereinafter referred to as "the Act of 1894" as amended by the London Building Act 1894 (Amendment) Act 1898 (hereinafter referred to as "the Act of 1898") and the powers thereunder of the London County Council (in this Act referred to as "the Council") are insufficient to secure the provision and maintenance of proper mea ns of escape in case of fire from buildings in the administrative county of London.

And whereas it is expedient to amend the said provisions in the manner hereinafter set forth and to confer upon the Council such further powers with respect to the matters aforesaid and otherwise as are hereinafter contained:

And whereas the objects aforesaid cannot be effected without the authority of Parliament:

May it therefore please Your Majesty that it may be enacted and be it enacted by the King's most Excellent Majesty by and with the advice and consent of the Lords Spiritual and Temporal and Commons in this present Parliament assembled and by the authority of the same as follows (that is to say):—

London Building Acts (Amendment)—*continued.*

Short title.

1. This Act may be cited as the London Building Acts (Amendment) Act 1905.

2. The Act of 1894 and the Act of 1898 and this Act may be cited together as the London Building Acts 1894 to 1905.

Commencement of Act.

3. This Act shall except where otherwise expressly provided come into operation on and shall take effect from the first day of January next after the passing thereof which date is in this Act referred to as "the commencement of this Act."

Extent of Act.

4. This Act shall extend to London and no further.

Definition of fire-resisting material.

5. In the Act of 1894 the Act of 1898 and this Act unless the context otherwise requires the expression "fire-resisting material" means any of the materials and things described or referred to in the First Schedule to this Act.

Interpretation.

6.—(1) In and for the purposes of this Act unless the subject or context otherwise requires—

(i.) The expression "owner" (except as used in the section of this Act the marginal note whereof is "Fees to district surveyors") means the person for the time being receiving the rackrent of the premises in connection with which the said expression is used whether on his own account or as agent or trustee for any other person or who would so receive the same if such premises were let at a rackrent but where used in the said section the said expression shall have the same meaning as is assigned thereto by section 5 of the Act of 1894:

(ii.) The expression "rackrent" means rent which is not less than two-thirds of the full annual value of the premises out of which the rent arises and the full annual value shall be taken to be the annual rent which a tenant might reasonably be expected taking one year with another to pay for the premises if the tenant undertook to pay all usual tenant's rates and taxes and tithe commutation rentcharge (if any) and if the landlord undertook to bear the cost of the repairs and insurance and the other expenses (if any) necessary to maintain the premises in a state to command such rent:

(iii.) The expression "upper storey" means any storey the level of the upper surface of the floor whereof is at a greater height than fifty feet above the level of the footway (if any) immediately in front of the centre of the face of the building in which such storey is situate or (where there is no such footway) above the level of the ground before excavation:

(iv.) The expression "high building" means any building any storey whereof is an upper storey as hereinbefore defined:

(v.) The expression "new building" means any building the actual erection of which above the footings shall not have been bonâ fide and substantially commenced at the date of the commencement of this Act or which has been taken down burnt or destroyed for more than one half of its cubical extent and re-erected or commenced to be re-erected after such date or of which the cubical extent has been increased after such date by an amount equal to the cubical extent of the building as existing before such increase and any existing building which by reason of any alteration thereof or addition thereto becomes a high building after such date:

(vi.) The expression "existing building" means any building not being a new building:

(vii.) The expression "certified building" means any building in respect whereof the Council shall have issued a certificate or which the tribunal of appeal shall have determined to have been provided with means of escape under the provisions of the section of this Act of which the marginal note is "Protection against fire in certain new buildings."

(viii.) The expression "the tribunal of appeal" means the tribunal of appeal constituted by the Act of 1894:

(ix.) The expression "plans" means plans sections and elevations.

(2). Words and expressions used in this Act shall unless other meanings are assigned to them by this Act or the context otherwise requires bear the meanings respectively assigned to them by the Act of 1894 and any reference in the Act of 1894 or in the Act of 1898 or in this Act to any part or provisions of the Act of 1894 or to any schedule or part of any schedule to the Act of 1894 shall be construed as referring to such part or provisions or schedule or part of a schedule as amended by the Act of 1898 and by this Act respectively.

Protection Against Fire in Certain New Buildings.

7. (1.) Every new building (except a dwelling-house occupied as such by not more than one family) which is—

(a) A high building; or

(b) A building in which sleeping accommodation is provided for more than twenty persons or which is occupied or constructed or adapted to be occupied by more than twenty persons or in which more than twenty persons are employed or which is constructed or adapted for the employment therein of more than twenty persons;

shall be provided in accordance with plans approved by the Council or (in the event of an appeal) the tribunal of appeal with all such means of escape therefrom in case of fire as can be reasonably required under the circumstances of the case. The owner of the building shall before or at the same time that the building notice under section 145 (Notices to be given to surveyor by builder) of the Act of 1894 in respect of such building is served on the district surveyor deposit or cause to be deposited at the county hall a notice stating the like matters and particulars as are required by the last-mentioned section to be stated in a building notice thereunder together with a copy (which may be a sunprint or photographic reproduction on paper) of the plans prepared for such new building showing so far as may be necessary for the purposes of this Act the means of escape proposed to be provided in connection with such building.

It shall be lawful for the Council at any time within the period of one month or in the event of such period of one month commencing or expiring on any day between the first day of August and the fourteenth day of September both inclusive then within the period of two months after the deposit as aforesaid of such plans to refuse to approve to such plans or to approve the same subject to such conditions (if any) as they may prescribe provided that the Council shall within such period as aforesaid give notice to the applicant of such refusal or conditional approval stating fully all their reasons for such refusal or for the imposition of such conditions as the case may be, Provided that if within the period limited as aforesaid the Council fail to give notice of their refusal to approve any such plans or of the conditions subject to which they approve any such plans they shall be deemed to have approved such plans without conditions.

(2) No upper storey in any high building not being of the class referred to in paragraph (b) of subsection (1) of this section and no part of any building of the class referred to in the said paragraph shall be occupied or let for occupation until the Council shall have issued a certificate or (in the event of an appeal) the tribunal of appeal shall have determined that such building has been provided

London Building Acts (Amendment)—*continued.*

with means of escape in accordance with plans approved as aforesaid by the Council or the tribunal of appeal (as the case may be) and that the conditions (if any) subject to which such plans were so approved have been complied with, Provided that unless the Council shall within fourteen days after notice of completion of any such building shall have been given to the Council by the owner notify to the owner that such certificate is refused and the grounds of such refusal such certificate shall be deemed to have been duly issued..

(3) If by reason of any structural alteration or addition of a substantial character of or to any certified building (being a building of the class referred to in paragraph (*b*) of subsection (1) of this section) the sleeping accommodation in such building is substantially increased and the risk of fire in such building or the difficulty of escaping therefrom in case of fire is thereby substantially increased or if the number of persons occupying or employed or dwelling in the upper storeys of any certified building (being a high building but not being a building of the class referred to in the said paragraph) or in any part of any certified building (being a building of the class referred to in the said paragraph) is substantially increased and the risk of fire in the upper storeys of such building (being a high building) or in any part of such building (being a building of the class referred to in the said paragraph) or the difficulty of escaping from any such upper storey or part of a building (as the case may be) in case of fire is thereby substantially increased or if by reason of any change of circumstances in or affecting any certified building the risk of fire in such building is substantially increased or escape from such building or any such upper storey as aforesaid (as the case may be) in case of fire is rendered substantially more difficult or if by reason of any material change in the mode of user of any certified building the risk of fire in such building is substantially increased or escape from such building or from any such upper storey as aforesaid (as the case may be) in case of fire is rendered substantially more difficult then and in any of such events the certificate issued by the Council or the determination of the tribunal of appeal (as the case may be) in respect of such building shall thenceforth be void and of none effect and such building shall thenceforth cease to be a new building and be deemed to be an existing building :

Provided that the notice to be served on the owner of such building by the Council under the provisions of the section of this Act whereof the marginal note is "Protection against fire in certain existing buildings" shall if the owner request the Council in writing so to do (giving particulars of any proposed or completed alteration addition or change of circumstances) be served within two months after the receipt by them of such written request and that if notwithstanding such written request no such notice is so served within the period aforesaid such building or the upper storeys of such building as the case may be shall be deemed to be in the opinion of the Council provided with proper and sufficient means of escape in case of fire.

(4) Nothing in this section contained shall authorise the Council to require in the case of a building being a high building and not being a building of the class referred to in paragraph (*b*) of subsection (1) of this section any means of escape from any storey other than an upper storey.

As to occupation of certain buildings during rebuilding.

8. Nothing in subsection (2) of the section of this Act whereof the marginal note is "Protection against fire in certain new buildings" shall prevent the continuous occupation during rebuilding at any portion of any building to which the said subsection applies and which has been partially taken down burnt or destroyed.

Protection against fire in certain existing buildings.

9. (1) From and after the first day of January one thousand nine hundred and seven in the case of any existing building (except a dwelling-house occupied as such by not more than one family) which is—

(*a*) A high building; or

(*b*) A building in which sleeping accommodation is provided for more than twenty persons or which is occupied by more than twenty persons or in which more than twenty persons are employed;

the Council if in their opinion such building is not provided with proper and sufficient means of escape therefrom in case of fire may at any time serve on the owner of such building a notice requiring him to provide such means of escape as can be reasonably required under the circumstances of the case.

Any such notice shall specify in detail the requirements of the Council and the owner of such building shall subject to the provisions of this Act execute and do all such works and things as may be necessary in order to comply with any requirements made by the Council under this section and (in the event of an appeal) confirmed or varied by the tribunal of appeal as hereinafter provided within such period as may be required by the Council or (in the event of an appeal) the tribunal of appeal Provided that if such owner shall within twenty-one days after the service of such notice have submitted to the Council alternative proposals for the provision of means of escape in case of fire and the Council shall have in writing accepted the same as satisfactory it shall not be necessary for such owner to comply with any of the requirements contained in the notice served on him by the Council as aforesaid but he shall with all practicable despatch after such acceptance as aforesaid execute and do all such works and things as may be necessary in order to provide the means of escape specified in such alternative proposals.

(2) Where any owner of a building has been convicted of an offence against this Act—

(*a*) By failing to comply with any requirement made by the Council under this section and (in the event of an appeal) confirmed or varied by the tribunal of appeal within the period required by the Council or the tribunal of appeal (as the case may be); or

(*b*) By failing to execute and do with all practicable despatch after such acceptance as aforesaid all such works and things as may be necessary to provide the means of escape specified in such alternative proposals as aforesaid;

a petty sessional court may, notwithstanding the imposition of any penalty, make an order prohibiting the occupation of such building (being a building of the class referred to in paragraph (*b*) of subsection (1) of this section) or any part or parts of such building or the occupation of any upper storey of such building (being a high building and not being a building of the class referred to in the said paragraph) The costs of any such proceedings and order shall be in the discretion of the court.

Any order made under this subsection may be at any time amended or discharged by the order of a petty sessional court.

(3) The Council shall keep at the county hall a register (which shall be open at all reasonable times to inspection) of all orders made under this section.

(4) Nothing in this section contained shall authorise the Council to require in the case of a building (being a high building and not being a building of the class referred to in paragraph (*b*) subsection (1) of this section) any means of escape from any storey other than an upper storey.

Projecting Shops.

10. (1) Where any part of a building which is used or adapted to be used as a shop projects for a distance of seven feet or more beyond the main front of any building of which it forms part and in which any persons are employed or sleep the projecting portion of such shop shall be provided by the owner with a roof constructed of fire-resisting materials not less than five inches thick.

London Building Acts (Amendment)—*continued.*

(2) It shall be lawful to construct or place in or upon the roof of the portion of any shop so projecting beyond the main front of the building as aforesaid lantern lights or ventilating cowls. Provided that no such lantern light or ventilating cowl shall be constructed or placed so that any part thereof will be at a less distance than six feet from the main front of the building from which the shop projects or within such distance as may be reasonable in the circumstances of the case from any other external or party wall. Provided also that the sides of such lantern light or ventilating cowl (except the side facing away from the main building) shall be carried up in fire-resisting materials for two feet above the roof in or upon which it is constructed or placed. Provided further that no part of any such lantern light or ventilating cowl shall project above the roof in or upon which the same is constructed or placed to a greater extent than five feet.

(3) The provisions of this section shall extend and apply as well to existing as to new buildings.

(4) The Council or (in the event of an appeal) the tribunal of appeal may in any case where it is reasonable so to do sanction subject to such conditions if any as the Council or (in the event af an appeal) the tribunal of appeal may impose in giving such sanction the exemption of any building from all or any of the provisions of this section.

Rules for living rooms over premises used for storage of inflammable liquid.

11.—(1). No person shall knowingly or wilfully use or permit to be used either as a living-room or as a workshop or workroom any room constructed over or communicating directly with any part of a building used for the storage of petroleum as defined by section 3 of the Petroleum Act 1871 whether or not petroleum within the meaning of that Act or bisulphide of carbon or ether or turpentine or methylated spirit or any other inflammable liquid kept for sale or trade purposes in such quantities or in such manner as to be liable to cause fire or explosion unless there be provided in connection with such room according to the requirements and to the satisfaction of the Council:—

(i.) Adequate safeguards to prevent the spread of fire from the part of the building used for the storage of any such inflammable liquid to such room; and

(ii.) Means of ready escape from such room in case of fire.

(2.) Nothing in this section contained shall affect or prejudice any jurisdiction vested in the Corporation of the City of London under the Petroleum Act 1871.

Means of access to Roofs.

12. (1) (A) Every existing building to which the section of this Act whereof the marginal note is "Projecting shops" applies and every other existing building except a dwelling-house occupied as such by not more than two families; and

(B) Every new building :

shall if having more than two storeys above the ground storey or if exceeding thirty feet in height be provided (unless and except so far as the Council otherwise allow) by the owner with either—

(*a*) A dormer window or a door opening in a suitable position approved by the district surveyor on to the roof with proper access thereto; or

(*b*) A trap door in a suitable position approved by the district surveyor covered with copper or zinc and hung on hinges so as to admit of the same opening to the fullest extent and furnished with a counter-weight so as to insure that the same shall open automatically when unfastened and also with a fixed or hinged step-ladder leading to the roof; or

(*c*) Other proper means of access to the roof;

and with a sufficient parapet or guard-rail where reasonably practicable and necessary to prevent persons slipping off the roof. Any dormer window or trap-door provided under this sub-section shall only be fastened in such a manner as to ensure access to the roof being always readily available from the inside of the building.

(2) The Council or (in the event of an appeal) the tribunal of appeal may in any case where it is reasonable so to do sanction subject to such conditions if any as the Council or (in the event of an appeal) the tribunal of appeal may impose in giving such sanction the exemption of any building from all or any of the provisions of this section.

(3) This section shall not apply to any building falling within either of the sections of this Act the respective marginal notes whereof are "Protection against fire in certain new buildings" and "Protection against fire in certain existing buildings."

Conversion of Buildings.

13. No person shall without the consent in writing of the Council or (in the event of an appeal) the tribunal of appeal convert a building in such manner that such building when so converted will not be in conformity with the provisions of this Act or without such consent knowingly or wilfully permit or suffer any building when so converted to be used or occupied. Provided that if the Council shall not within the period of one month or in the event of such period of one month commencing or expiring on any day between the first day of August and the fourteenth day of September both inclusive then within the period of two months after written application to the Council by the owner for such consent notify to the owner that such consent is refused and the grounds of such refusal such consent shall be deemed to have been duly given. For the purposes of this section the expression "convert" shall include any change of user whether involving any structural alteration or not and notice of such conversion shall be given to the district surveyor by the owner or occupier of the building intended to be converted.

Means of escape to be maintained.

14. All means of escape in case of fire provided in accordance with any of the provisions of this Act or otherwise shall be kept and maintained by the owner of the building in respect whereof they are provided in good condition and repair and in efficient working order and no person shall knowingly or wilfully obstruct or render less commodious or permit or suffer to be obstructed or rendered less commodious any such means of escape as aforesaid.

Power to owner to enter notwithstanding provisions of lease.

15. For the purpose of carrying out or maintaining any work required to be done or maintained by the owner under any of the provisions of this Act it shall be lawful for the owner of any building notwithstanding any provision to the contrary contained or implied in any lease or contract affecting such building to enter such building or any part thereof and do all such things therein or in relation thereto as may be necessary or proper in that behalf.

Duties of District Surveyors under Act.

16. (1) The execution of every work to in or upon a building necessary to give effect to the provisions of this Act shall be subject to the supervision of the district surveyor appointed to the district in which the building is situated in like manner as any work done to in or upon the building under the provisions of the Act of 1894.

(2) Particulars of any means of escape required by the Council or (in the event of an appeal) the tribunal of appeal or to be provided in accordance with plans approved by the Council under the provisions of this Act shall be furnished by the Council to the district surveyor within whose district the building to which such particulars relate is situate and it shall be the duty of the district surveyor to ascertain that such means of escape are properly provided in accordance with such particulars and to report to the Council any failure to provide the same.

London Building Acts (Amendment)—*continued.*

(3) Where any of the provisions of the sections of this Act whereof the marginal notes are respectively "Projecting shops" and "Means of access to roofs" are or become applicable to a new or to an existing building the district surveyor shall as soon as he discovers that such building is not in conformity with such provisions report such non-conformity to the Council.

District surveyors to notify Council in certain cases.

17. The district surveyor shall notify in writing to the Council every building about to be erected in his district to which in his opinion the section of this Act the marginal note whereof is "Protection against fire in certain new buildings" would apply and within a reasonable time after being requested in writing by the Council shall from time to time ascertain and notify in writing to the Council any building within his district or any part thereof to which in his opinion the section of this Act the marginal note whereof is "Protection against fire in certain existing buildings" applies and also upon completion of any works required to be carried out under either of such sections shall notify to the Council whether all the requirements made by the Council or the tribunal of appeal (as the case may be) have been complied with.

Fees to district surveyors.

18. (1) The district surveyor shall be entitled to receive from and shall be paid by the builder employed in erecting the building in respect whereof the same are chargeable or in doing any work or matter in respect of which any service has been performed by such surveyor under the provisions of this Act or from the owner or occupier of such building or of any building in respect whereof such work or matter has been done or service performed the fees specified in Part I. of the Second Schedule to this Act and the provisions of section 157 (Periods when surveyors entitled to fees) of the Act of 1894 shall apply to the said fees and the recovery of the same.

(2) The district surveyor shall be entitled to receive from and shall be paid by the Council the fee specified in Part II. of the said Second Schedule in respect of the performance of the duties therein mentioned.

(3) Where any works or services other than those carried out or performed in pursuance of this Act are carried out or performed in respect of any building the said fees shall be in addition to and not in substitution for any fees which may be payable under the Act of 1894 in respect of such other works or services as aforesaid.

Exemption of owner from penalty on conviction of actual offender.

19. (1) Where an offence under this Act for which the owner of any building is liable under this Act to a penalty has in fact been committed by an occupier or any other person that occupier or other person shall be liable to the same penalty as if he were owner.

(2) Where the owner is charged with any such offence he shall be entitled upon information duly laid by him to have any other person whom he charges as the actual offender brought before the court at the time appointed for the hearing of the charge against himself and if after the commission of the offence has been proved the owner proves to the satisfaction of the court that he has used due diligence to enforce the execution of the provisions of this Act and that such other person has committed the offence in question without the knowledge consent or connivance of the owner that other person shall be summarily convicted of the offence and the owner shall be exempt from any penalty. The person so convicted shall in the discretion of the court be also liable to pay any costs incidental to the proceedings.

Apportionment of expenses borne by owners.

20. The owner of any building who has paid or incurred the expenses of executing any work in respect of such building which the owner of such building is required to execute under any provisions of this Act or has paid any other expenses which by any such provision as aforesaid are required to be borne or paid by the owner may if he thinks fit apply to the county court of the district in which such building is situate and such court may thereupon issue a summons requiring the several persons entitled to any estate or interest in the building to appear before the court and the court may make such order concerning such expenses or their apportionment among all the several persons entitled to any estate or interest in the building as appears to the court to be just and equitable in the circumstances of the case regard being had to the terms of any lease or contract affecting such building.

Arbitration as to incidence of damage.

21. Where the occupier of any building shall claim to have sustained any damage directly and solely caused by the construction of any works carried out under this Act such claim shall be referred to arbitration and the arbitrator shall determine how such damage shall be borne by the persons interested in the said building having regard to all the circumstances of the case including the terms of any lease or contract affecting such building.

As to Appeals under Act.

22. (1) At any time within two months after—

(*a*) The refusal or conditional grant by the Council of their approval of any plans deposited pursuant to the section of this Act the marginal note whereof is "Protection against fire in certain new buildings" or the refusal by the Council to issue a certificate pursuant to the same section;

(*b*) The service on the owner of any building of notice of any requirement of the Council under the section of this Act the marginal note whereof is "Protection against fire in certain existing buildings";

(*c*) The making of any requirement with respect to any building under the section of this Act the marginal note whereof is "Projecting shops" or any refusal or conditional grant of the sanction of the Council to any exemption under the last-mentioned section or the section of this Act the marginal note whereof is "Means of access to roofs";

(*d*) The making of any requirement by the Council with respect to any building under the section of this Act the marginal note whereof is "Rules for living rooms over premises used for storage of inflammable liquid"; or

(*e*) Any refusal of the consent of the Council under the section of this Act the marginal note whereof is "Conversion of buildings";

the owner of the building to which such requirement or refusal or conditional grant relates may if he think fit appeal to the tribunal of appeal.

(2) The National Telephone Company Limited shall in any case where they are the occupiers (without being also the owners) of any building or part of a building containing plant which is used for or in connection with public telephonic communication to which any such requirement or refusal or conditional grant relates have the like right of appeal against such requirement refusal or conditional grant as the said company would have had if they had been the owners of such building or part of a building, and the Council shall give or cause to be given to the said company full and detailed particulars of any such requirement refusal or conditional grant upon or contemporaneously with such requirement refusal or conditional grant.

Power of entry to Council and their officers and district surveyors.

23. (1) For the purpose of exercising their powers or performing their duties under this Act it shall be lawful for the Council or any officer of the Council duly authorised in writing by the Council in that behalf (which authority such officer shall produce if required) at all reasonable times and after reasonable notice to enter inspect and examine any building structure or premises to which he has reasonable grounds for thinking that the provisions of this Act apply.

London Building Acts (Amendment)—*continued.*

(2). For the purpose of performing his duties under this Act it shall be lawful for the district surveyor at all reasonable times to enter inspect and examine any building structure or premises.

Offences against Act.

24. Subject to the provisions of this Act every person who does any of the things specified in this section shall be deemed to have committed an offence against this Act and shall be liable upon conviction in a summary manner to a penalty not exceeding the amount hereinafter specified in connection with such offence and to a further penalty not exceeding the amount hereinafter specified as the daily penalty in connection with such offence for every day on which the offence is continued (that is to say):—

(1) Every person who—

(*a*) Occupies permits to be occupied or lets for occupation any upper storey or any part of any building in contravention of the provisions of the section of this Act the marginal note whereof is "Protection against fire in certain new buildings"; or

(*b*)—(i) Fails to comply with any requirement made by the Council under the section of this Act the marginal note whereof is "Protection against fire in certain existing buildings" and (in the event of an appeal) confirmed or varied by the tribunal of appeal within such time as may be required by the Council or the tribunal of appeal; or

(ii) Fails to execute and do with all practicable despatch after acceptance by the Council of any alternative proposals under the said section for the provision of means of escape in case of fire all such works and things as may be necessary to provide the means of escape specified in such alternative proposal; or

(iii) Occupies or permits to be occupied any part of or storey in a building after the making of an order of a petty sessional court under the said section prohibiting the occupation of such part of or such storey in such building unless such order has been discharged as in the said section provided; or

(*c*) Fails to deposit or cause to be deposited at or within the time at or within which the same are by the respective provisions relating thereto required to be deposited any notice or plans required to be deposited under the provisions of this Act; or

(*d*) Knowingly or wilfully uses or permits to be used any room in contravention of the provisions of the section of this Act the marginal note whereof is "Rules for living rooms over premises used for storage of inflammable liquid"; or

(*e*) Fails to comply with the provisions of the sections of this Act the respective marginal notes whereof are "Projecting shops" and "Means of access to roofs"; or

(*f*) Neglects to keep and maintain in good condition and repair and in efficient working order or obstructs or renders less commodious or permits or suffers to be obstructed or rendered less commodious any means of escape in case of fire provided in accordance with any of the provisions of this Act or otherwise; or

(*g*) Refuses to admit any officer of the Council or district surveyor or other person when entitled so to do under this Act to enter survey inspect or examine any building structure work or premises which such officer or surveyor or other person is by this Act authorised to enter survey inspect or examine or refuses or neglects to afford him all reasonable facilities and assistance in such survey inspection or examination; or

(*h*) Hinders or obstructs any persons empowered by this Act to enter and remain on any premises for the purpose of executing or maintaining and to execute or maintain any work required by this Act to be executed or maintained; or

(*i*) Knowingly or wilfully converts or permits or suffers to be used or occupied a building in contravention of the provisions of the section of this Act the marginal note whereof is "Conversion of buildings"; or

(*j*) Does any other thing prohibited by this Act or fails neglects or omits to do any other thing which he is required to do under or in pursuance of this Act; shall be liable to a penalty not exceeding twenty pounds and a daily penalty not exceeding ten pounds;

(2.) The liability to these penalties shall be without prejudice to any other proceedings whether under the Act of 1894 or this Act or any byelaw or regulation made under the Act of 1894 or otherwise but so that no person shall be punished twice for the same offence:

(3.) All such penalties as aforesaid shall be recoverable in a summary manner and the provisions of section 169 (Application of penalties) of the Act of 1894 shall extend and apply to all penalties recovered by the Council under this Act.

Repeal of schedule enactment.

25. The Act specified in the Third Schedule to this Act is hereby repealed to the extent specified in the third and fourth columns of that schedule.

Certain provisions of Act not to apply to factories workshops or common lodging-houses.

26.—(1) The provisions of this Act shall not apply to any building the whole of which is a factory or workshop within the meaning of section 14 of the Factory and Workshop Act 1901 or to any common lodging-house within the meaning of any statute for the time being in force relating to common lodging-houses within London.

(2) Nothing in this Act shall empower the Council to require as regards any building while used in part as a factory or workshop means of escape in case of fire to be provided from or in respect of the part so used of such building if within three years prior to the passing of this Act means of escape in case of fire have been provided from such part in compliance with the Factory and Workshop Act 1901.

Incorporating certain provisions of Act of 1894.

27.—(1) The following provisions of the Act of 1894 are hereby incorporated with and form part of this Act and shall extend and apply accordingly and have effect as fully and effectually as if the same had been re-enacted in this Act (that is to say):—

Section 144 (Surveyor not to act in case of works under his professional superintendence);
Section 145 (Notices to be given to surveyor by builder);
Section 147 (Notice to be evidence of intended works);
Section 156 (Fees in relation to evidence before tribunal);
Section 181 (Power for Council to support decisions of officers before tribunal);
Section 182 (Tribunal may state case for opinion of High Court);
Section 183 (Procedure of tribunal);
Section 184 (Regulations as to procedure and fees);
Section 185 (Enforcement of decision of tribunal);
Section 187 (Notices to be in writing);
Section 188 (Service of notices);
Section 190 (Power for Council to annex conditions);
Section 194 (Plans and documents to be property of Council);
Section 195 (Mode of giving approval of Council to plans);
Section 196 (Consent how given on behalf of owners not to be found);
Section 206 (Duration of exemption).

London Building Acts (Amendment)—*continued.*

(2) All regulations made and to be made by the tribunal of appeal under the said section 184 of the Act of 1894 shall apply to the procedure to be followed in cases of appeal under this Act.

For protection of Inns of Court.

28. The lands buildings and property of—
(1) The Honourable Society of the Inner Temple;
(2) The Honourable Society of the Middle Temple;
(3) The Honourable Society of Lincoln's Inn;
(4) The Honourable Society of Gray's Inn;
shall be exempt from the operation of this Act.

Exempting certain property of dock companies.

29.—(1) Any building or structure or part of a building or structure belonging to a dock company constituted by Act of Parliament and situate within the dock premises shall be exempt from the provisions of this Act.

(2) The exemption conferred by this section shall extend to and include any building or structure or part of a building or structure belonging to the Surrey Commercial Dock Company in connection with their Surrey Canal undertaking and used exclusively for the purposes of canal works under the Acts of Parliament regulating the said undertaking.

Exempting certain property of railway companies.

30. Any building or structure (not being an hotel) belonging to or leased by any railway company situate upon the railway or within the railway or station premises of the same or any other railway company and used for the purposes of or in connection with the traffic of the railway company shall be exempt from the provisions of this Act.

Exempting certain property of electric lighting companies.

31. Any building or structure or part of a building or structure belonging to or leased by any electric lighting company having statutory powers for the supply of electricity and used exclusively as a generating station or distributing or transforming station or for works connected with the exercise of such powers shall be exempt from the provisions of this Act.

Exempting generating station of Underground Electric Railways Company of London Limited.

32. The generating station referred to in section 8 of the Metropolitan District Railway Act 1902 shall be exempt from the provisions of this Act.

Exempting certain property of gas companies.

33. Any building or structure or part of a building or structure belonging to or leased by any gas company and used exclusively for gasworks shall be exempt from the provisions of this Act.

As to banks and insurance offices.

34. (1) Any new or existing building used or intended to be used to the extent of not less than three-fourths of its cubical extent as a bank or insurance office or partly for one and partly for the other of such purposes by not more than two companies or firms and used or intended to be used as regards the residue thereof only as a residence for or for providing sleeping accommodation for officers or servants of such companies or firms shall so long as such building is not used otherwise than as aforesaid be exempt from the provisions of this Act.

(2) The premises known as Staple Inn Holborn shall be deemed to be existing buildings to which the provisions of this section apply.

As to Stock Exchange buildings.

35. The buildings of the Stock Exchange in the city of London situated between Throgmorton Street on the north and Threadneedle Street and Old Broad Street on the south or south-east and also any buildings (while used as a stock exchange) erected on the site of the properties Nos. 31 to 33 Throgmorton Street shall be exempt from the provisions of this Act.

Exempting buildings of public wharfingers.

36. Any existing building or structure in the exclusive occupation of a public wharfinger and used by him for the purposes of his business and situate upon or in immediate proximity to a dock wharf quay or riverside frontage and which is self-contained and does not abut on any building shall be exempt from the provisions of this Act Provided that this exemption shall not apply to uptown warehouses or to any building wherein any manufacturing process is carried on or wherein any person sleeps:

"Public wharfinger" means the owner lessee or occupier of a wharf quay warehouse or granary adjoining the port of London mainly used for warehousing the goods imported into the port of London of persons other than the occupier of such premises.

Exempting Royal Albert Hall.

37. The buildings and premises known as the Royal Albert Hall shall be exempt from the provisions of this Act.

For protection of Metropolitan District Baker Street and Waterloo Great Northern Piccadilly and Brompton and Charing Cross Euston and Hampstead Railway Companies.

38. Any new or existing building or structure (not being an hotel) now or hereafter belonging to or leased or erected by the Metropolitan District Railway Company the Baker Street and Waterloo Railway Company the Great Northern Piccadilly and Brompton Railway Company and the Charing Cross Euston and Hampstead Railway Company or any of them shall so far as erected or used or intended to be used for the purposes of or in connection with the traffic of the said companies or any of them be exempt from the provisions of this Act.

Exempting certain buildings.

39. The following buildings shall so long as used for their present purposes be exempt from the provisions of this Act:—
(1) The Mansion House Guildhall and Royal Exchange of the City:
(2) The Sessions House at the Old Bailey and all public buildings erected or occupied by the Corporation under the provisions of the City of London Police Acts:
(3) The buildings of the Metropolitan Cattle Market the Cattle Market at Deptford the London Central Markets the Spitalfields Market and the Shadwell Market.

Bonded warehouses to be exempt.

40. Any building or part of a building approved by the Commissioners of Customs or the Commissioners of Inland Revenue as a warehouse or store for warehousing or depositing goods without payment of duty shall while used with such approval for any of such purposes and unless and except so far as such Commissioners otherwise allow be exempt from the provisions of this Act.

Saving rights of Crown.

41. Nothing in this Act shall affect prejudicially any estate right power privilege or exemption of the King's most Excellent Majesty and in particular nothing contained herein shall authorise the Council to take use or in any manner interfere with any land or hereditaments or any rights of whatsoever description belonging to His Majesty in right of His Crown and under the management of the Commissioners of Woods without the consent in writing of the Commissioners of Woods on behalf of His Majesty first had and obtained for that purpose which consent such Commissioners are hereby authorised to give.

London Building Acts (Amendment)—*continued.*

Saving rights of Duchy of Cornwall.

42. Nothing contained in this Act shall extend to authorise the Council to take use enter upon or interfere with any land soil or water or any rights in respect thereof belonging to His Majesty in right of the Duchy of Cornwall without the consent in writing of some two or more of such of the regular officers of the said duchy or of such other persons as may be duly authorised under the provisions of the Duchy of Cornwall Management Act 1863 section 39 to exercise all or any of the rights powers privileges and authorities by the said Act made exerciseable or otherwise for the time being exerciseable in relation to the said duchy or belonging to the Duke of Cornwall for the time being without the consent of such Duke testified in writing under the seal of the Duchy of Cornwall first had and obtained for that purpose or to take away diminish alter prejudice or affect any property rights profits privileges powers or authorities vested in or enjoyed by His Majesty in right of the Duchy of Cornwall or in or by the Duke of Cornwall for the time being.

Expenses of Act how to be borne.

43. All expenses incurred by the Council in carrying this Act into execution and not otherwise provided for shall be deemed to be general expenses incurred by the Council and shall be raised and paid accordingly and the costs charges and expenses preliminary to and of and incidental to the preparing applying for obtaining and passing of this Act shall be raised and paid by the Council in like manner.

The SCHEDULES referred to in the foregoing Act.

The First Schedule.

The following materials shall for the purposes of the Act of 1894 the Act of 1898 and this Act be deemed to be fire-resisting materials:—

(I). For general purposes:
(1) Brickwork constructed of good bricks well burnt hard and sound properly bonded and solidly put together—
(*a*) With good mortar compounded of good lime and sharp clean sand hard clean broken brick broken flint grit or slag; or
(*b*) With good cement; or
(*c*) With cement mixed with sharp clean sand hard clean broken brick broken flint grit or slag;
(2) Granite and other stone suitable for building purposes by reason of its solidity and durability;
(3) Iron steel and copper;
(4) Slate tiles, brick and terra-cotta when used for coverings or corbels;
(5) Flagstones when used for floors over arches but such flagstones not to be exposed on the underside and not supported at the ends only;
(6) Concrete composed of broken brick tile stone chippings ballast pumice or coke breeze and lime cement or calcined gypsum;
(7) Any combination of concrete and steel or iron.

(II). For special purposes:
(1) In the case of doors and shutters and their frames oak teak jarrah karri and other hard timber not less than one and three-quarters inches finished thickness the frames being bedded solid to the walls or partitions.
(2) In the case of staircases and landings oak teak jarrah karri or other hard timber the treads risers strings and bearers being not less than one and three-quarters inches finished thickness and the ceilings and soffits if any being of plaster or cement;
(3) Oak teak jarrah karri and other hard timber when used for beams or posts or in combination with iron the timber and the iron (if any) being protected by plastering or other incombustible or non-conducting external coating not less than two inches in thickness or in the case of timber not less than one inch in thickness on iron lathing;
(4) (*a*) In the case of floors and roofs—
Brick tile terra-cotta or concrete composed as described in paragraph (I) (6) of this schedule not less than five inches thick in combination with iron or steel.
(*b*) In the case of floors and of the roofs of projecting shops—
Pugging of concrete composed as described in the said paragraph (I) (6) not less than five inches thick between wood joists provided a fillet one inch square is secured to the sides of the joists and placed so as to be in a central position in the depth of the concrete or concrete blocks not less than five inches thick laid between wood joists on fire-resisting bearers secured to the sides of joists;
(5) In the case of verandahs balustrades outside landings the treads strings and risers of outside stairs outside steps porticoes and porches oak teak jarrah karri or other hard timber not less than one and three-quarters inches finished thickness;
(6) In the case of internal partitions enclosing staircases and passages terra-cotta brickwork concrete or other incombustible material not less than three inches thick;
(7) In the case of glazing for windows doors and borrowed lights lantern or skylights glass not less than one fourth of an inch in thickness in direct combination with metal the melting point of which is not lower than 1,800 degrees Fahrenheit in squares not exceeding sixteen square inches and in panels not exceeding two feet across either way the panels to be secured with fire-resisting materials in fire-resisting frames of hard wood not less than one and three-quarters inches finished thickness or of iron.

(III). Any other material from time to time approved by the Council as fire resisting.

THE SECOND SCHEDULE.

Fees payable to district Surveyors.

PART I.

(A) In respect of a building erected in conformity with the provisions of the section of this Act of which the marginal note is "Protection against fire in certain new buildings"; or

(B) For ascertaining whether any requirement made by the Council under the section of this Act the marginal note whereof is "Protection against fire in certain existing buildings" and (in the event of an appeal) confirmed by the tribunal of appeal is complied with; or

(C) For any work required under the provisions of either of the sections of this Act the respective marginal notes whereof are "Projecting shops" and "Means of access to roofs"—

One fifth of the amount of the fee payable under the Third Schedule of the Act of 1894 in respect of a new building of the same character or the sum of one pound one shilling whichever shall be the greater.

London Building Acts (Amendment)—*contd.*

PART II.

For surveying for the purpose of ascertaining and notifying or reporting any building to the Council pursuant to the provisions of the sections of this Act the marginal notes whereof are respectively "District Surveyors to notify Council in certain cases" and "Duties of district surveyors under Act."

For every building to which such sections apply and for every other building which in the opinion of the Council has been reasonably inspected for the purposes of such sections a fee of seven shillings and sixpence.

THE THIRD SCHEDULE.

Session and Chapter	Title or Short Title.	No. of Section.	Extent of Repeal.
57 & 58 Vict. c. ccxiii.	London Building Act 1894	5 61 63 Second Schedule.	Subsection (36). Subsection (2). The whole section. The whole schedule.

METALS.

WEIGHT PER LB. PER FOOT SUPER 1 INCH THICK.

Wrot. Iron...	40·4 lbs.	Brass	43·7 lbs.
Cast ,, ...	37·5 ,,	Gun Metal...	45·8 ,,
Steel... ...	41·0 ,,	Lead	59·4 ,,
Copper ...	45·8 ,,	Tin	38·0 ,,

Zinc ... 37·5 lbs.

To obtain the weight per square foot to any gauge, multiply the weight per inch thick by the thickness of the gauge in inches or parts of an inch.

RELATIVE WEIGHT.

To convert weights given in tables into weights of other metals.

Cast Iron	×	1.08	=	weight of wrot. iron.
,,	,,	1.10	=	,, steel.
,,	,,	1.50	=	,, lead.
,,	,,	1.22	=	,, copper.
,,	,,	1.16	=	,, brass.
,,	,,	1.17	=	,, gun metal.
Wrot. Iron	,,	.93	=	,, cast iron.
,,	,,	1.02	=	,, steel.
,,	,,	1.47	=	,, lead.
,,	,,	1.14	=	,, copper.
,,	,,	1.08	=	,, brass.
,,	,,	1.09	=	,, gun metal.

RELATIVE TENACITY.

Lead ...	1	Silver ...	12½
Tin ...	1⅓	Platinum	15
Zinc ...	2	Copper ...	18
Palladium	11½	Iron ...	27⅓
Gold ...	12	Steel ...	42

EXPANSION BY HEAT.

Per foot run.

	Expansion per Degree Fahr. from 32° to 212°.
Iron	·0000067
Steel	·0000069
Copper	·0000090
Zinc	·0000160
Tin	·0000120

MORTARS and CEMENTS.

See also LIMES AND CEMENTS.

PROPORTIONS TO USE.—Blue Lias or Grey Stone Lime, 1 part; Sand, 2 or 3 parts.

Lime, 1 part; Portland Cement, 1 part; Sand, 6 to 8 parts. Cheaper and better than usual mortar. Lime slaked 24 hours, mixed with sand for 10 minutes, cement added, whole ground and used at once.

Mortars and Cements—*continued.*

Selinitic Cement, 1 part; Sand, 5 or 6 parts. A superior mortar about the same cost as usual mortar. Selinitic cement should be mixed with water before adding the sand; in this respect it differs from other limes and cements.

Selinitic Cement, 1 part; Portland Cement, ½ part; Sand, 8 parts.

Portland Cement, 1 part; Sand, 2 or 3 parts. If in water: Portland Cement, 1 part; Sand, 1 part.

Roman Cement will only carry 1½ times its own bulk of sand. 1 to 1 usual proportions.

Blue or Black Mortar: Lime, 1 part; Blacksmith's Ashes, sifted fine, 3 parts. Or, Lime, 3 parts; Ashes, 2 parts; Sand, 4 parts. Or, Portland Cement, 1 part; Ashes, 4 parts. Furnace Slag, Iron Scorie, and Coal Cinders also used.

MORTAR FOR FLUES.—Cow dung, 1 part; Hair Mortar, 4 parts.

MUSICAL REQUIREMENTS IN CHURCHES.

From the Report of a Committee appointed by the R.I.B.A. and the College of Organists:

The space allowed for the modern organ is often insufficient.

On musical grounds the old position at the west end for both organ and choir is, in general, the best.

Although for ritual purposes (following the ancient English Cathedral and Collegiate arrangements) a vested choir is placed in the chancel, yet where there is a chancel arch, central lantern, or transepts, the sound becomes intercepted instead of passing into the body of the Church; moreover where the chancel is narrow, antiphonal singing cannot produce its proper effects.

When the placing of the choir in the chancel (according to recent custom) has involved the removal of the organ also, it has usually resulted in cramping the organ within some confined space, or "chamber," by which the tone has been damaged, and its beautiful qualities and real efficiency impaired.

The arrangement alluded to above is not the most advantageous for the support and encouragement of congregational singing.

These defects are more or less the result of adapting new customs and requirements to *old* buildings, and are not always to be avoided.

AS TO NEW CHURCHES.

The musical requirements of a large town church are taken as a basis; these requirements would necessarily be modified for small town or country churches.

There would appear to be but five positions in which the choir can be conveniently placed in a church:

(1) At the west end of the nave.

It is commonly admitted by musicians that the most effective position for the organ is at the west end; but this position is not always advisable, if the choir be retained in the chancel.

(2) In galleries facing each other in the nave.

The advantages claimed for seating the choir in galleries (similar to the ancient "minstrel galleries") on the north and south sides of the nave are as follows: (*a*) the better support of congregational singing; and (*b*) the opportunities afforded for antiphonal effects.*

(3) Immediately outside the chancel screen.

(4) In the chancel aisles.

(5) In the chancel.

With regard to these latter positions, it is advisable, in planning a new building, in order to obtain the openness and space requisite for the sound to reach all parts of the building, that a "chancel arch" should be avoided, and the choir thus placed under the same roof as the congregation. This will enable the clergy as well as the choir to be properly heard.

In churches exceeding 150 feet in internal length the plan of placing the main choir at the west end, and a "ritual choir" in the chancel, may be adopted.

AS TO EXISTING MODERN AND ANCIENT CHURCHES.

In dealing with existing churches, whether ancient or modern, the principles set forth in the "Recommendations" should, as far as possible, be observed; but each case should be individually considered. In those places (for example) where there remain a western organ and gallery of interest, at a distance of not more than fifty feet from the choir seats in the chancel—it is desirable that such should be retained *in situ* and used; and where the distance is more than fifty feet, a small additional eastern organ to support the choir is recommended.

In buildings lacking adequate height, a position should be chosen for the organ which will give the best available space for sound to develop itself above the pipes and to pass into the nave.

The Committee have carefully considered and have drawn up the principles of the subject before them, and have formulated the following "Recommendations," which have been agreed to by every member.

RECOMMENDATIONS.

No. 1. That the organ and the choir be so placed in the church that they may most effectually assist in the services.

No. 2. That it is essential to acoustic success that in the erection of new churches ample height should be provided for.

No. 3. That in arranging any position for the organ, ample space should be allowed as regards area, "speaking-room," and height.

No. 4. That no "open-flue" pipe should have less than its own speaking length (the speaking length of an "open-flue" pipe is the length from the slit or mouth above the conical foot up to the top of the pipe) above it.

No. 5. That the organ should be concentrated, and not divided into two or more parts at a distance (excepting to place the choir organ in advance of the main instrument in the architectural design of the case).

No. 6. That the ground space to be provided for an organ, exclusive of engines employed as blowing apparatus, should not be less than 600 superficial feet for an organ of 60 stops, of 310 superficial feet for an organ of 40 stops, and of 180 superficial feet for an organ of 20 stops.

No. 7. That the organ should never be placed in a "chamber," but that the best position for an organ is that which has a sufficiency of open space above it and on three sides, and a solid unpierced wall at the back.

No. 8. That the term "Organ place" be adopted, because it is more comprehensive (including gallery, &c.), and because the term "Organ chamber" is misleading, inasmuch as a chamber (or enclosed place) has been determined to be *not* suitable for an organ.

No. 9. That the internal surface of the roof above the organ should not be of wood, but of stone, plaster, or other non-absorbent material.

No. 10. That in order to avoid noise and economise space, the organ "feeders" should be placed at some convenient distance from the organ, and outside the main body of the building.

No. 11. That the air supplied to the "feeders" must be derived directly from the church itself, in order to obtain the same temperature.

No. 12. That the organ should be placed at a short distance from the choir, and that the best distance is about twenty feet.

No. 13. That the organ should never be placed between the choir and congregation.

No. 14. That the sound of the organ should not have to pass over one-half of the choir to reach the other.

No. 15. That when possible the organ should be equidistant from both halves of the choir.

No. 16. That the choir be placed on raised floors, or in low, projecting galleries architecturally treated.

No. 17. That the height of the platform, steps, or gallery on which the choir is placed should be regulated by the length of the church.

No. 18. That provision should be made for the accommodation of large bodies of voices for special occasions to be seated in due musical relation to the choir and organ.

No. 19. That it is desirable in churches of adequate size that provision should be made for an orchestra on special occasions.

No. 20. That the orchestra should be in the organ gallery, in front of the organ, or in some similar and approximate position.

The Committee, in framing the foregoing "Recommendations" for the guidance of those about to erect new churches, have made them as general and as wide as possible, that the same principles may be followed in the erection of small churches or alterations of ancient ones

* All "galleries" are subject to special conditions.

NOXIOUS BUSINESSES.

L.B. Act, 1894.—*Digest.*

No person may carry on a noxious business in any building or vault, or in the open air at a less distance than 40 feet from any public way, or 50 feet from any dwelling-house.

Noxious businesses comprise the business of blood-boiler or bone-boiler, or any like business, but not the soap-boiler, a tallow-melter, knacker, fellmonger, tripe-boiler, and slaughterer of cattle or horses.

Provisions of Act do not apply to public gas works or any premises used for distillation or the rectification of spirits under the survey of the Commissioners of Inland Revenue or their officers.

No person may erect a dwelling-house nearer than 50 feet to a building used for any noxious business, provided that a building erected before 1844, within 50 feet from any building for the time being used for any such noxious business, it may be rebuilt.

OPEN SPACES.

L.B. Act, 1894.—*Digest.*

Height in relation to Space.—Draw a horizontal line at level of pavement in centre of building, extend such line to intersect rear boundary of the open space. Draw a line from the point of intersection inclining towards the building, at an angle of 63½ degrees. The building to be confined within such line, except chimney stacks, dormers, turrets, or architectural ornaments, to an extent not exceeding ⅓ of total width of the rear elevation.

Where the site of the building inclines towards the roadway, the horizontal line is to be drawn at the level of the ground at the open space at rear.

When the level of the pavement varies, the mean level to be taken. Where boundary at rear is not parallel to rear of building, the mean distance to be taken for the purpose of this calculation.

Where street or open space dedicated to the public, or permanently secured, exists at the rear of a building, then diagonal line to be drawn from centre of the street or further boundary of such open space, and not necessary to provide any open space at rear of building.

The council or tribunal of appeal may allow any part of a domestic building to extend above the diagonal line if satisfied that an open cubic space will be provided at rear equivalent to the space which would have been provided if the diagonal line had been drawn from the ground level.

Corner Sites.—In case of building abutting on two streets or one side an open space, permanently secured, the Council may permit the erection of buildings 30 ft. high on part of space in rear. Refusal may be appealed against. Return front may be carried up full height of front elevation for distance of 40 feet or less as requirement for open space at rear may demand.

In exceptional cases, owing to irregular shape of ground, Council may modify provisions of Act.

New Domestic Buildings in Streets formed before 1894.—Horizontal line may be drawn 16 ft. above pavement level, and except in dwellings for the working class, the open space of 150 sq. ft. may be provided above the level of the ceiling of the ground storey, or above 16 ft. (exclusive of lantern lights) from pavement level.

Habitable basements in streets laid out prior to 1894, to have 100 sq. ft. exclusively belonging thereto, clear of any erection.

Domestic buildings in new streets to have 150 sq. ft. at rear, exclusively belonging thereto. Where basement is sufficiently lighted with 100 sq. ft., or where there is no basement, and the ground storey is not constructed or adapted to be inhabited, the open space may be provided above the ground floor ceiling level, or 16 ft. exclusive of lantern lights, measured from pavement.

In all other cases space must be clear, except that water closet, privy, or ash-bin allowed for a height not exceeding nine feet.

Open space to extend to entire width of building by at least 10 ft. throughout.

Open courts to domestic buildings, where depth from eaves or parapet to ceiling of ground storey exceeds length or breadth of court, adequate provision for ventilation must be made and maintained by means of a communication between lower end of court and the open air.

Habitable rooms lighting solely into courts not allowed unless width of court from window to opposite wall equals half the height from window sill to eaves or parapet of opposite wall.

A court whose length is not more than twice its breadth is held to comply with this provision if a square court of the same area would do so.

Open Spaces—*continued.*

Habitable rooms above level of ground storey not allowed to light solely into court if depth of court measured from one side is more than twice the width, unless windows be distant from opposite wall half the height of wall from the level of window sill.

Dwelling Houses on site occupied by domestic buildings existing at commencement of Act or at any time seven years previous. Prepare plans showing extent of old buildings, and obtain district surveyor's certificate of accuracy. The dwelling-house can then be rebuilt to the extent of old buildings. Council may sanction deviation from certified plan.

New Streets on Cleared Area.—On application, with required plans and sections, Council has power to modify or relax any provisions relating to open spaces and height of buildings, sanction or refusal of sanction, with reasons, to be given within two months.

Working Class Dwellings erected by Local Authority previous to Act may be rebuilt on old site to old dimensions.

Working Class Dwellings not Abutting on a Street.—Plan showing extent and height of dwelling, and position in relation to adjacent property existing or in course of erection, to be delivered one month before commencing. Council may refuse sanction if satisfied that the space for light and air is not sufficient, or may make conditions. Sanctions cannot be refused if space provided is equivalent to that required under the L. B. Act, 1894, for dwelling-houses erected after commencement of Act, and abutting on street formed prior to Act.

Domestic buildings with rear stables abutting upon mews, deemed to be one domestic building with rear abutting upon a street, whether in one occupation or not, if the stable be limited to 50 ft., measured from mews frontage, and height to 25 ft. from level of mews and if open space required to domestic building be provided between domestic building and the stable.

PAINTING.

Paint is usually composed of white lead, linseed oil, driers (litharge), a little turpentine, and the colouring pigment, the amount of white lead being reduced in proportion to the amount of colouring pigment added.

For dark colours, boiled oil should be used, especially for outside work.

Knotting should be with patent knotting or with red lead and glue, in equal proportions, applied hot; or knots may be cut out and stopped with putty or hard Japan stopping—the latter for outside work.

The Priming Coat should be composed of white lead, 10 lbs.; red lead, 2 ozs.; driers, 2 ozs.; raw linseed oil, 4 pints.

After the priming coat, holes and cracks should be stopped, and work rubbed down with pumice stone and sandpaper.

Following Coats, omit red lead, add 1½ to 2 pints turpentine instead of an equal quantity of oil, and substitute colouring pigment in proportion required for equal proportion of white lead.

Flatting Coat, use turpentine instead of oil.

Bastard Flatting, add a little size to turpentine, to render paint more washable.

Outside Paint, exposed to sun, should have little or no turpentine.

Paint Exposed to Chemical Fumes should have zinc white instead of white lead.

Clearcole is white lead, water, and size, used on old work where stained and greasy.

Distemper is made of 112 lbs. whiting, 28 lbs. dry white lead, and 7 lbs. of glue, mixed with boiling water.

Oxide of Iron paint should be used on iron work, the rust being first carefully scraped off. Cast iron should be painted one coat immediately after casting. Wrot. iron should have all scales and film of oxide carefully removed.

Sanding is throwing fine sand on to wet paint to imitate a stone surface.

Painting—*continued.*

Paint for Zinc is composed of 1 part chloride of copper, 1 part nitrate of copper, 1 part sal ammoniac, in 60 parts of water, and add 1 part hydrochloric acid. Paint and leave for 24 hours before applying oil.

Paint on Plaster Walls.—Walls should be thoroughly dry. Water should not be used for cleaning down old work for painting unless absolutely necessary. Plaster may be primed with glue size, or with 2 or 3 coats of boiled linseed oil, tinged with red lead; applied warm and then sized.

Gilding with English gold leaf, prepare with water size for mat gilding; oil gold size for dead gilding, burnished gold size for burnished gilding. Single gilding, 1 layer of gold leaf; double gilding, 2 layers. Burnished gilding should be sized after burnishing.

Varnishes.—White enamel, coburg, and French oil varnish on white. Copal or coburg varnish for general work.

Japanning is varnish mixed with ordinary paint.

To Remove old Paint, apply 1 lb. soda and ½ lb. of quicklime, mixed to the consistency of cream, and leave for one hour, when the old paint will wash off.

To Remove old Putty, paint with nitric acid or hydrochloric acid. In about an hour it will be soft enough to remove.

Surface Paint will cover:—

1 lb. of paint will cover about 4½ yards first coat, and 6½ yards after.

1 lb. of oxide of iron paint will cover 8 to 12 yards on iron.

1 gallon of tar and 1 lb. of pitch will cover 12 yards first coat, and 16 to 17 yards after.

1 pint of oil varnish will cover 8 to 9 yards.

PAPER HANGING.

English papers are 21 in. wide, 12 yds. long, or 7 yds. super.					
French	18 ,,	,,	9 ,,	,,	4½ ,, ,,
Lining	22½ ,,	,,	12 ,,	,,	7½ ,, ,,

Allow 1 in 10 for waste with small patterns.
,, 1 in 7 for ,, ,, large ,,

Walls should be prepared for papering by being stopped, pumiced, and sized.

Hang with trimmed edges to the light.

Approximate number of pieces of English paper required for any room, *allowance to be made for doors and windows.*

Measurement in feet round the walls	Hght. of room in ft. from skirting to cornice									
	6	7	8	9	10	11	12	13	14	15
	Number of Pieces required									
32 ...	4	4	5	5	6	6	7	7	8	8
36 ...	4	5	5	6	6	7	7	8	9	9
40 ...	4	5	6	6	7	8	8	9	9	10
44 ...	5	5	6	7	8	8	9	10	10	11
48 ...	5	6	7	7	8	9	10	10	11	12
52 ...	6	6	7	8	9	10	10	11	12	13
56 ...	6	7	8	8	9	10	11	12	13	14
60 ...	6	7	8	9	10	11	12	13	14	15
64 ...	7	8	9	10	11	12	13	14	15	16
68 ...	7	8	9	10	11	12	13	15	16	17
72 ...	7	9	10	11	12	13	14	15	17	18
76 ...	8	9	10	11	13	14	15	16	17	19
80 ...	8	9	11	11	13	15	16	17	18	20
84 ...	9	10	11	12	14	15	17	18	19	21
88 ...	9	10	12	12	14	16	17	19	20	22
92 ...	9	11	12	13	15	17	18	19	21	22
96 ...	10	11	13	13	16	17	19	20	22	23
100 ...	10	12	13	15	16	18	20	21	24	24

PARSONAGES.

Queen Anne's Bounty

Conditions of Loans under Gilbert's Acts.

These Instructions do not apply to Loans for Repairs under the Ecclesiastical Delapidations Acts.

The following Documents (omitting A. and E. when not applicable) must be prepared, signed, and sworn to, by "some skilful and experienced Workman or Surveyor," and sent to the Bounty Office.

1.—Affidavit, in this form: A.B. of in the County of Surveyor (Architect, *or etc.*, maketh Oath and saith that he has been accustomed to survey and value, and to superintend the building and repairing of Houses and other Buildings and that the

paper writings hereunto severally annexed, marked A.B., *C.D., etc.*, contain a true statement of the general condition of the buildings of the Benefice* of

2.—Certificate (A.)—As to the general state and condition of all "Buildings" belonging to the Benefice, and as to the particular state and condition of the building on which the proposed work is to be done.

(Signature) A.B.

3.—Estimate (B.)—Of the expense of the total Works proposed to be done according to the priced Bills of Quantities, Specification and Drawings marked C. and D. is pounds, shillings, and pence, viz.:

Estimate of value of Works as per priced Bills of Quantities,	£ : :
Deduct	
(1) Value of Timber (if any) upon the Glebe to be used or sold... ...	£ : :
(2) Value of old materials (if any) to be used or sold	£ : :
(3) (*a*) Amount assessed for Dilapidations by the Diocesan Surveyor, in respect of any works connected with the Estimate, or (*b*) Architect's Estimate of the value of unassessed Dilapidations effaced and saved by the execution of the new works ...	£ : :
Net Value of Works	£ : :
Add Charges of Surveyor (Archt., or &c.)	: :
Estimate	£ : :

(Signature) A.B.

Note.—This form must be adhered to in *all* cases.

4.—Plans (C.)—All Plans must be drawn to a scale of 8 feet to an inch and should not exceed in size 18 by 12 inches, and are to be on Tracing Cloth. Where New Buildings are to be erected, Elevations and Sections must accompany the Plans. Where Drainage Work only is to be done a Block Plan will be sufficient. The Plans, &c., cannot be returned after being lodged in this Office. This is mentioned that, if necessary, copies may be kept. In all cases of Additions or Alterations, Plans of existing Premises should be attached.

5.—Specification (D.)—of the intended Work should be written on *foolscap* paper.

6.—Particulars (E.)—of timber and (or) old materials fit to be used or sold (if any such exist).

As to Plans, &c.—A Block Plan of the Site, which site should be judiciously selected (with the points of the compass marked), shewing the position of the house, and of the direction of the drains, &c., together with sections indicating the slope (if any) of the ground, and a description of the substratum on which the house is to be built, whether gravel, loam, sand, clay, chalk, rock, or otherwise. Also the following drawings, to a scale of 8 feet to one inch, and with sizes and heights of rooms, thicknesses of all walls, and scantlings of all timbers accurately figured. Damp course to be indicated on sections. A plan of each floor, including basement and attic (if any). A plan of the roofs. In cases of additions the connection of new with old roofs should be shown. An elevation of each front. Two sections at the least. In cases of alterations and improvements (not an entirely new structure) the plans of the several floors as they exist at present.

Drainage.—A Block Plan only required, shewing clearly all the points of drainage, bath, w.c.'s, sinks, &c.

Observations.—It will be necessary for the Incumbent to obtain the Bishop's and Patron's signatures to the Plans, in approval thereof, before they are forwarded to the Bounty Office.

In cases where the Ecclesiastical Commissioners have augmented the Income of the Benefice, or contribute towards the object for which a Loan is sought, the Plans, before being sent to this Office, should be approved by them, or be true copies (certified as such by the Architect) of those approved.

The distance of the house from the Church should be stated.

If it be desired sketch Plans and Specification may be submitted for approval. If the loan be granted, complete Plans, &c., must then be supplied.

Quantities.—In all cases of any new buildings, the Governors require to be furnished with detailed quantities of the various kinds of works, which are to be certified copies of those supplied to the Contractor for his Estimate. Each item is to be priced and monied out *in ink*, and the total amount to form *Estimate* of works.

No provisional sums whatever, except for grates and chimney pieces, to be included in Estimate.

The Specification to contain full details, and to have marginal references, and to be written on *foolscap* paper.

Drains.—Especial care to be taken in the trapping and ventilation of all drains. Tested glazed stoneware pipes to be used for drains. Waste drains from rainwater tanks not to be connected with any foul water or soil drain. All drain pipes to be jointed in cement. Inspecting and disconnection chambers to be provided.

Damp Course.—In all new walls, including boundary walls, a damp course of two courses of slates, set in cement, asphalte, or some other approved impervious material, *not* fibrous, must be inserted above the groundne through the entire thickness of the solid walls. In hollow walls the bottom of the cavity must be at least three inches below the damp course, which must not encroach upon the cavity.

Ventilation.—Air gratings to be provided for ventilation under floors, to be so placed as to ensure a constant current of fresh air. Sleeper walls to be so built as to allow a through current of fresh air.

Walls.—*External* walls to be of brick or stone, but without any coating of cement or rough cast, except in the case of matching existing work; if of brick, to be not less than fourteen inches thick; if of stone rubble, to be not less than twenty inches; internal main walls, bricks, nine inches; for Stables, small Farm Buildings, brick walls to be not less than nine inches. External walls of Labourers' Dwellings to be at least nine inches thick, both on ground and first floors. Stone, rubble or random course, of proportionate thickness; all four-and-a-half inch walls to be in *cement*. If desired, good concrete blocks will be sanctioned. All external walls must be well tied by internal walls. The bottom course of footings to all walls to be at least twice the thickness of the wall.

Hollow Walls.—In exposed situations, all external walls must be built with a hollow cavity, with proper bond, and a proportionate increase of thickness to that stated in the previous paragraph.

Boundary Walls.—Boundary walling, whether of stone or brick, should be at least nine inches thick, with suitable coping laid in cement, and with piers at frequent intervals. Iron or wood fencing may be used on brick or stone dwarf walling with piers.

Fireplaces.—To have arched chimney breasts on wrought iron bars, and proper trimmer arches for support of stone hearth. Chimney stacks above roof to be built in cement.

Floors.—The scantlings of joists to be not less than as follows:—

Bearing in ft.	Size in ins.	Bearing in ft.	Size in ins.	Bearing in ft.	Size in ins.
5	$2\frac{1}{2} \times 5$	10	$2\frac{1}{2} \times 8$	15	$2\frac{1}{2} \times 10\frac{1}{2}$
6	$2\frac{1}{2} \times 5\frac{1}{2}$	11	$2\frac{1}{2} \times 8\frac{1}{2}$	16	$2\frac{1}{2} \times 11$
7	$2\frac{1}{2} \times 6\frac{1}{2}$	12	$2\frac{1}{2} \times 9$	17	$2\frac{1}{2} \times 12$
8	$2\frac{1}{2} \times 7$	13	$2\frac{1}{2} \times 9\frac{1}{2}$	18	3×12
9	$2\frac{1}{2} \times 7\frac{1}{2}$	14	$2\frac{1}{2} \times 10$		

When the length of bearing exceeds eight feet, the joists must be strutted by one row, and when it exceeds twelve feet, by two rows of struts. Joists to be not more than 12 inches apart.

Half-Timbered Work.—If provided must be of oak, and backed by brickwork nine inches thick.

Timber.—Baltic timber, either Memel, Riga, or Dantzic; or oak; to be used in the roofs, joists, and partitions, and all other constructive parts of the house, and no joists, rafters, or quarters to exceed one foot apart in the clear. Particular care should be taken that only well-seasoned wood is used.

Roofs.—As the construction of the roofs will depend upon the design of the house, no table of scantlings is given, but the timbers must be strong, and of a substance proportionate to the foregoing table. Means of access to the interior of roofs to be in all cases provided, also dormers for exterior.

No other than Copper nails to be described for slating.

Stairs.—Basement stairs to be of stone, slate, or suitable bricks.

Lead.—Roof gutters to be 7-lbs. lead. Cisterns, when not of stone or slate, or galvanized iron, to be lined with lead, the sides to be of 6-lbs., and the bottom 8-lbs. to the foot superficial, at least. Where hollow walls are provided the window and door heads must be covered with lead or other weatherproof material. Flashings to be of 5-lbs. lead. Zinc will not be allowed.

Painting.—All wood and ironwork to have *four* coats of paint throughout; the last two coats inside, and the papering, to be deferred until the new buildings shall have become seasoned.

Fittings.—To include one water closet in the house, drains, cesspools, well, tank cisterns, pumps, pipes, gas piping, but not fittings, and everything necessary for supplying the house with water; also chimney pieces, stoves, grates, twenty-gallon copper, sink, kitchen dresser, fittings in pantry and wine cellar, bells, but not articles accounted tenant's fixtures. The cisterns are to be so placed as to be easy of access, and their position is to be shown on the plans. The pipes and cisterns are to be protected from the frost by being covered with thick felt where exposed.

The following items are not insisted on by the Governors, but are very strongly recommended:—

Roof.—To cover the rafters with boarding and felt.

Concrete.—To put a layer of concrete underneath all the rooms on the ground floor.

Pointing.—To point all external walls with a neat weather joint in Portland cement.

Conservatories.—The Cost of any Glass-houses (either attached or detached) must not be included in Estimate.

Porches.—Porches wholly of wood will not be approved by the Governors.

Note.—*The works must not be commenced until the necessary formal document of consent to the loan has been duly executed, otherwise the Incumbent will lose his statutory power to charge the revenues of the Benefice*

PARTITIONS.

Wooden Partitions are formed of heads, sills, posts, struts and quarterings, and are constructed to throw the weight upon the walls instead of on the floor. Partitions having a great span are best framed in a similar manner to a king or queen post roof.

The Scantlings are usually—Head Sill and Post $4'' \times 3''$, or $4\frac{1}{2}'' \times 4''$; Braces, $4''$ or $4\frac{1}{2}'' \times 3''$; Quarters, $4''$ or $4\frac{1}{2}''$ by $2''$. If it be a brick nog partition, nogging pieces should be $4''$ or $4\frac{1}{2}'' \times \frac{3}{4}''$, spaced 3 feet apart, and the quarters should be $2'\ 3''$ or $3'$ apart.

Framed Partitions for a wide span should have scantlings equal to a king or queen post roof of equal bearing, and the heads and sills not less than $9''$ deep.

PARTY STRUCTURES.

L.B. Act, 1894.—*Digest.*

Building owner desirous of building a party wall must give notice to Adjoining owner describing the proposed wall.

With consent of adjoining owner, a party wall may be built half on land of each or as agreed. Expense to be shared in proportion to the use which may be made of the wall by the respective owners.

If consent be not given, then after one month's notice an external wall may be built on owner's land with footings and concrete on adjoining owner's land, making compensation for any damage.

District surveyor has power to allow footing to be omitted when an external wall is built against another wall.

Rights of building owner, *subject to making good damage.*

To make good, underpin, or repair party wall.

To pull down and rebuild, if necessary or desirable.

To pull down any partition not conformable with act, and to build a party wall.

In buildings with rooms or stories the property of different owners, a right to pull down such not in conformity with act and to rebuild.

In buildings, connected by arches, or communications over public ways or passages belonging to other persons, a right to pull down and rebuild.

To raise and underpin party structure or external wall against such party structure, on condition of carrying up to the requisite height all flues and chimney stacks against such party external wall. To pull down any party structure of insufficient strength for new building.

To cut into party structure, to cut away footing or chimney breast, jambs, or flues or other projections from party or external wall in order to erect an external wall.

To raise a party fence wall, or pull down and rebuild.

Note.—*The above rights are subject to the qualification that any building erected previous to the 1894 act is deemed to conform therewith if conformable with provisions of previous acts.*

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* If there are no buildings of any description belonging to the Benefice it should here be so stated, and the paper A. will then be omitted.

in the County of and Diocese of
and of the particular condition of the building on which the proposed works are to be done, and a Plan, Bills of Quantities and Specification of the said works, and a true and correct Estimate, according to the best of this Deponent's judgment and belief, of the expense of such work. And this Deponent further saith that there is not any Timber or Materials standing or being on the Glebe, or Old Timber and Materials in the Buildings, fit to be employed in such work, or to be sold (or, that the Timber and Materials standing and being on the Glebe, and Old Timber and Materials in the Buildings fit to be employed in such work, or to be sold, the particulars whereof are stated in the said paper, marked E., are to the best of this Deponent's judgment and belief, of the value of pounds, shillings, and pence.)

†Sworn at the in the County of day of 19 , before me } (Signature) A.B.
E.F.
Justice of the Peace for the said County of
(or Commissioner for taking Affidavits in Chancery, as the case may be).

N.B.—If the Bills of Quantities should not be prepared by the Architect, he should state by whom they have been prepared.

† ☞ N.B.—*The Affidavit and each of the above Documents are to be on Separate Papers, and signed by the Surveyor, or etc.* The Documents, etc., marked A. B. C. D. E. *must be identified with Affidavit by the following Exhibit*—

This is the Paper writing marked A. (or, etc.) referred to in the Affidavit of (A.B.)
Sworn this day of
Before me } (*Signature of Architect*).
(E.F.)
Justice of the Peace (*or, etc.*)

RIGHTS OF ADJOINING OWNERS.—Where owner proposes to exercise any of his rights, adjoining owner may by notice given within one month of receiving notice require building owner to build chimneys, coping, jambs, breasts, or flues, or such piers or recesses or other like works as may fairly be required for his convenience and specified in notice, and if necessary accompanied by plans and drawings, and building owner must comply unless required work will be injurious to him or cause unnecessary delay.

Building owner cannot without consent in writing of adjoining owner and occupiers exercise his rights until after one month's notice in the case of party fence walls, or two months' in the case of party walls and party structures, stating the nature and particulars of the proposed work and the time at which the work is proposed to be commenced.

Building owner must at his own expense erect any hoarding, shoring, or temporary construction for the protection of the adjoining owners, and must not cause any unnecessary inconvenience to adjoining occupiers. Work must be begun within six months after notice and prosecuted with diligence.

DIFFERENCES.—If either owner do not within 14 days of notice express consent, then he shall be considered as dissenting therefrom, and a difference be deemed to have arisen.

In case of difference not specially provided for by act, unless both parties concur in the appointment of one surveyor, each is to appoint a surveyor, and the two surveyors to appoint a third surveyor, and the three surveyors or any two of them to settle any matter arising from time to time during the continuance of any work to which the notice relates. Any award given to be conclusive and not questioned in any court except that either party may appeal to the county court within 14 days from date of delivery of the award, and the county court may, subject to conditions, rescind or modify it as it thinks just.

If either party make default in appointing a surveyor for 10 days after notice to make such appointment, the party giving notice may make the appointment in the place of the party making default.

COSTS to be paid as surveyor or surveyors determine.

If appellant from award, on appearing before the county court judge, can prove that liability would exceed £50 if decided against him, and he gives security to prosecute his appeals, the action may be brought in the High Court.

If two surveyors refuse, or for seven days after request of either party neglect to select a third surveyor, a secretary of state may on the application of either party make the appointment.

When each party has appointed a surveyor and either surveyor refuse or for seven days neglect to act, the other surveyor may proceed *ex parte.*

POWER TO ENTER PREMISES. The building owner, his servants, agents, and workmen at all usual times of working may enter any premises for the purpose of executing work under the act, and if the premises are closed they may in company of a constable or other officer of the peace make a forcible entry. Penalty for obstructing such entry £10.

Before entry the building owner must (except in emergency) give 14 days' notice to owner and occupier, and in cases of emergency such notice as is reasonably practicable.

BUILDING WITHIN 10 FEET OF ADJOINING BUILDING AND AT LOWER LEVEL than foundations, owner may be required to underpin or otherwise strengthen foundations.

Building owner must give two months' notice to adjoining owner of intention to build, and whether he proposes to underpin, &c., and such notice must be accompanied by plans and sections.

Adjoining owner may within 14 days serve a counter notice disputing necessity or requiring underpinning, &c., and a difference is then deemed to have arisen.

Building owner liable to compensate adjoining owner for inconvenience, loss, or damage resulting from exercise of these powers.

Adjoining owner may require building owner to give security for payment of expenses, costs, and compensation.

Building owner may require adjoining owner to give security for payment of expenses, costs, and compensation, before beginning work requisitioned by the adjoining owner, and in his failing to give security within one month after service of requisition he shall be deemed to have waived his requirements and building owner may proceed as if no requisition had been served on him by the adjoining owner.

EXPENSES of repair underpinning, and if necessary pulling down and rebuilding of party structure when defective or not in conformity with the act arg borne jointly by building owner and adjoinin owner, regard being had to the use each owner makes or may make respectively of such part structure.

The building owner is to deliver within one month of completion an account in writing of the particulars and expense of work to be borne in part or in whole by the adjoining owner, specifying any deduction in respect of old materials, or in other respects, and valued at market prices.

Adjoining owner may declare his dissatisfaction within one month of receiving the account, specifying his objection, and a difference is then deemed to arise, to be determined as provided for by act.

(See Sec. 91).—Adjoining owner failing to declare dissatisfaction within one month, is deemed to have accepted account, which may be recovered. Until adjoining owner contributes to expense of building any party structure, the building owner stands possessed of sole property in the structure.

ARCHES AND FLOORS OVER PUBLIC WAYS, or passages through or under a building to premises in other occupation to be of incombustible materials. If arch be of brick or stone then least thickness to be 8½ in. with rise of 1 in. for each foot or part of a foot of span. If other materials than brick or stone be used the construction to be subject to approval of district surveyor.

Every arch or other construction under any passage leading to premises in other occupation or under public way to be of incombustible materials. If of brick or stone, then 8½ in. thick, if span not more than 10 ft.; 13 in. thick if span not more than 15 ft. If over 15 ft., or other materials be used, then subject to approval of district surveyor.

PIERS.

Height should not exceed 12 times least thickness.

SAFE LOAD PER SQUARE FOOT.

Granite, 45 to 60 tons.
Slate, 60 tons.
Limestone, Devonshire marble, 55 tons.
York stone, 20 tons.
Portland, 16 tons.
Bath stone, 8 tons.
Stock bricks in mortar, 2 to 2½ tons.
Stock bricks in lias lime, 4 to 5 tons.
Stock bricks in cement, 6 to 8 tons.

PILLARS.

SAFE LOAD PER SQUARE INCH OF SECTIONAL AREA.

Number of times length exceeds least thickness.

	10	15	20	25	30	40
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Fir	405	330	265	230	165	95
Oak	490	400	318	276	198	114

A round pillar of wood (whose diameter equals the side of a square pillar) is about ⅔ of the strength of a square pillar.

PILES.

Fir and pine generally used. Elm preferable. Size 9 in. by 9 in. to 18 in. by 18 in. Points should have iron shoes, and heads iron hoops. Weight of ram varies from 4 to 20 cwt. Piles should be driven until they only sink about ¼ in. from 10 blows of a ram of 15 cwt. falling 15 ft., or ½ in. from 30 blows of a ram of 8 cwt. falling 5 ft.

In the use of cylindrical iron piles, a block of wood is placed on the top to receive the blows of the ram.

PIPES.

CAST IRON, WEIGHT IN LBS. PER FOOT RUN.

Bore Ins.	Thickness. ¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼
1	3·0	5·0	7·3						
1¼	4·3	6·9	9·8						
2	5·5	8·7	16·11	16·1					
2½	6·7	10·5	14·72	19·1					
3	7·9	12·4	17·2	22·2	27·6				
3½	9·2	14·2	19·6	25·3	31·3				
4	10·4	16·1	22·1	28·4	35·0	41·9			
4½	11·6	17·9	24·5	31·4	38·6	46·2			
5	12·8	19·7	27·0	34·5	42·3	50·4	58·9		
5½	14·1	21·6	29·4	37·5	46·0	54·7	63·8		
6	15·3	23·4	31·9	40·6	49·7	59·0	68·7		
7	17·8	27·1	36·8	46·8	56·8	67·6	78·5	89·7	
8	20·0	30·8	41·6	52·9	64·4	76·2	88·3	100·8	
9		34·5	46·6	59·0	71·8	84·8	98·1	111·8	
10		38·2	51·5	65·2	79·1	93·4	108·0	122·9	138·1
11			56·4	71·33	86·5	102·0	117·8	133·9	150·3
12			61·3	77·4	93·6	110·6	127·6	145·0	162·6
15					115·7	136·1	156·8	177·7	199·4
18					123·1	161·8	186·3	210·8	236·2
21						187·9	213·4	244·3	273·0
24							245·0	276·9	309·3

Note.—Weight of two flanges about equal to 1 foot run of pipe.

LEAD ENCASED BLOCK TIN.

Weight per yard in lbs.

Diam. in inches.	lbs.	Diam. in inches.	lbs.
½	3½ and 4½	1¼	10 and 12
9/16	3½ and 4½	1½	14 and 16
⅝	4½ and 5½	1¾	17 and 24
¾	5½, 7 and 8	2	18 and 28
1	7 and 10		

BLOCK TIN.

Weight per yard.

Diam. in inches.	lbs.	ozs.	Diam. in inches.	lbs.	ozs.
¼		9	⅝	1	11
5/16		11½	¾	1	14
⅜		13	⅞	2	6
7/16		14	8	3	0
½	1	1			

COMPOSITION GAS.

Weight per yard.

Diam.	ozs.	Diam.	ozs.
⅛ inch.	3	⅝ inch	17
3/16	5	7/16	21
¼	9	½	26
5/16	13	9/16	28

COPPER, BRAZED OR SOLID DRAWN. PLAIN OR TINNED.

Approximate weight per foot run.

Int. diam. Ins.	Light. ozs.	Medium. ozs.	Strong. ozs.
¾		8	
1		12	
1¼	12	16	20
1½	14	16	20
1¾	16		24
2	20	24	28
2½	28	36	
3		48	

L.B. ACT 1894.—*Digest.*

PIPES CONVEYING SMOKE, VAPOUR, OR HOT AIR are not to be fixed on the face of any building adjoining any public way. Flue pipes not to be nearer than 9 in., hot air or steam pipes not to be nearer than 6 in., and hot water pipes not to be nearer than 3 in. to any combustible materials. Restrictions do not apply to low pressure hot water and steam pipes, *i.e.*, pipes provided with a free blow-off.

PLASTERING.

See also LIMES, CEMENTS, AND PLASTERS.

LATHS are 3 ft. and 4 ft. long, 1 in. and 1¼ in. wide, and spaced ⅜ to ½ in. apart. Single laths are ⅛ in. thick; Lath and half ¼ in.; Double laths, ⅜ in. 1 bundle of laths (nominally 400 ft.), and 525 nails will cover about 4½ yards super. For fireproof lathing, see Sec. of "The Catalogue."

PROPORTIONS TO USE:

COARSE STUFF.—Lime 1 part; sand 2 or 3 parts, mixed with long, clean ox hair, 1 lb. to 3 c. ft. of mortar.

FINE STUFF is pure lime shaked with a little water, and afterwards more water added to reduce to consistency of cream, and then allowed

Plastering—*continued.*

to settle, and then drained off or allowed to evaporate until right thickness for use. A small quantity of white hair mixed with it for ceilings. Run into putty 1 month before use. A little washed sand is sometimes mixed with it.

GAUGED STUFF is fine stuff 3 or 4 parts; plaster of Paris 1 part. For cornices equal parts of each.

LIME STUCCO.—Hydraulic lime 1; sand 3 or 4.

CEMENT STUCCO.—Portland cement 1; sand 2½ or 3.

ROUGH CAST LIME.—Lime 2; sand 1, and small pebbles.

ROUGH CAST CEMENT.—Portland cement 1; sand 3 or 4, and pebbles.

TROWELLED STUCCO.—Fine stuff 2; Sand 1.

BASTARD STUCCO.—Fine stuff 2; Sand 1, and a little hair.

SELINITIC MORTAR.—Selinitic lime, 1 part; sand 3 or 4 parts, and 2 hods well-aired lime putty, the hair previously well hooked into the lime putty.

Ditto setting coat and trowelled Stucco. Lime putty 3 parts; washed sand 2 parts; selinitic lime 1 part.

NOTES.—Selinitic cement should be mixed with water *before* adding the sand; in this respect it differs from other limes and cement. Selinitic cement should *not* be used in conjunction with gauged stuff for cornices, screeds, &c.

No more selinitic mortar should be gauged than can be used the same day.

FIBROUS PLASTER, see Sec. of "The Catalogue."

L.C.C. BYELAWS.—*Digest.*

Description and quality of the substances of which plastering is to be made.

Laths to be sound, free from sap, but other approved material may be used.

Plastering or course stuff to be 1 of lime to 3 of sand and hair, or any approved cement or plaster of Paris may also be used.

Lime must be freshly burned.

Sand must be clean, sharp, free from loam or earthy matter.

Hair must be good, sound, and free from grease or dirt; 1 lb. of hair to three cubic feet of coarse stuff. Approved fibrous material may be used instead of hair, and ground brick or furnace slag instead of sand.

Setting coat to be lime or cement mixed with clean washed sand or cement only.

Clear water only to be used in mixing the material.

Portland cement must weigh not less than 90 lbs. to the imperial bushel.

Fibrous slab or other slab plastering of sufficient thickness and securely fixed, may be used on ceilings, partitions, and wall to the satisfaction of the district surveyor.

PLUMBING.

MILLED LEAD is made in sheets weighing 1 to 12 lbs. per foot super, of thickness in parts of an inch as follows:—

4 lbs.	=	·068 or $\frac{1}{15}$ in.
5 ,,	=	·085
6 ,,	=	·101 or $\frac{1}{10}$,,
7 ,,	=	·118.
8 ,,	=	·135 or $\frac{1}{7}$,,
9 ,,	=	·152.
10 ,,	=	·169 or $\frac{1}{6}$,,
11 ,,	=	·186.
12 ,,	=	·203 or $\frac{1}{5}$,,

WEIGHTS WHICH SHOULD BE USED FOR DIFFERENT PURPOSES.

Flats, Valleys, Hips and Ridges ...	6 or 7 lbs.
Main Gutters and Cesspools ...	7 or 8 ,,
Secret Gutters...	4 or 5 ,,
Soakers, Flashings and Aprons ...	5 or 6 ,,
Sinks and Cisterns, bottom	7 or 8 ,,
,, ,, sides	6 or 7 ,,
Soil Pipes	7 or 8 ,,

FLATS AND GUTTERS.—Sheet lead should not be laid in greater lengths than 7 ft. Drips in Flats and Gutters should not be less than 2 in. Rolls should be 2 in. Fall to Flats and Gutters, 1 in. in 7 ft. to 1 in. in 10 ft. Boarding to Flats and Gutters should be laid in the direction of the fall, and the over cloak to rolls should be turned away from the rainy quarter.

Plumbing—*continued.*

GUTTERS.—Narrowest part should be 12 in. Turn up 6 to 8 in. against walls, and 7 to 9 in. under slates and tiles.

SECRET GUTTERS under hips and valleys should be 9 in. to 12 in. wide, and nailed both edges.

FLASHINGS should be 6 to 7 in. wide (1½ in. turned into wall, and 3 to 4 in. to overlap turn up of gutters, etc.). Secure with lead wedges.

STEP FLASHINGS should be 12 to 15 in. wide, where no soakers, and 7 to 8 in. wide where soakers are used.

SOAKERS vary in size with size of slate, Countess 12 7, Duchess 14 7.

APRONS should be 5 to 8 in. wide.

LAPS AND PASSINGS to hips, ridges and flashings should be 4 in., and to step flashings, valleys, and roofs, 5 to 6 in.

ROOFS.—Pitch roofs should have top edge of lead secured with nails, preferably the lead should be turned in over boarding at top edge, and close nailed, to prevent creeping down.

DOMIAL WIRE GUARDS should be provided to outlets of gutters.

SNOW GUARDS.—Wood battens on shaped supports should be laid in gutters, and wire snow guards to eaves over glass houses.

LEAD WEDGE should be used to fix lead in joints of brick and stone walls.

FREE EDGES should be secured by "tacks" or "clips" to prevent lifting by the wind.

LEAD PIPES.—Sizes and weight in lbs. per yard run:—

Size.	"Strong" Service Pipe.	"Middle" Waste Pipe.
½	6 lbs.	
⅝	7 ,,	4½ lbs.
¾	9 ,,	5¼ ,,
1	12 ,,	7 ,,
1¼	16 ,,	9 ,,
1½	18 ,,	10½ ,,
1¾	21 ,,	12 ,,
2	24 ,,	14 ,,

PROJECTIONS.

L.B. ACT, 1894.—*Digest.*

The following provisions apply except with the consent of the council. All projections except the cornices and dressings to shop fronts, and except the eaves, bargeboards, and cornices to detached and semi-detached dwellings, and to dwelling houses where party walls are corbelled out 4 in. beyond such eaves, bargeboard or cornice, shall be OF FIREPROOF MATERIAL. No CORNICE to exceed 2 ft. 6 in. projection over PUBLIC WAY.

Every balcony cornice or other PROJECTION TO BE TAILED INTO WALL and weighted and tied down to the satisfaction of the district surveyor.

SHOP FRONTS in streets not wider than 30 ft., front may project 5 in., and cornice 13 in. In streets over 30 ft. front may project 10 in., and cornice 18 in. beyond external wall of building, but this does not authorize any projection save the cornice of the shop front on or over public way. No woodwork to shop front to exceed 25 ft. in height from pavement, or to be nearer than 4 in. to the centre of party wall, or nearer than 4 in. to wall of adjoining premises if a separate wall, unless a pier or corbel of incombustible material 4 in. wide at least, and as high as, and projecting in front of such woodwork at least 1 in. be placed between it and the centre of the party wall, or the separate wall.

BAY WINDOWS to dwellings in streets not less than 40 ft. wide, or to a building not less than 40 ft. from opposite boundary, may be erected on owner's land provided such bay windows are not more than 3 stories in height, do not project more than 3 ft. or do not project within the prescribed distance of centre of road, are in no part nearer the centre of party wall than their greatest projection, do not exceed in width ⅜ths of frontage of building, and not used for trade purposes. Consent of council required to bay windows to which above do not apply.

ORIEL WINDOWS AND TURRETS in streets not less than 40 ft. wide, or to a building 40 ft. distant from opposite boundary are allowed, provided not more than 3 ft. projection, or more than 12 in. over public way, and not less than 10 ft. above pavement, no part overhanging the public way to be nearer than 4 ft. of centre of party wall. Total width not

Projections—*continued.*

to exceed ⅜ of length of wall. Construction subject to approval of district surveyor or, if disagreement superintending architect's decision final. Consent of council required to Oriel windows or turrets to which above do not apply. All projections to be so arranged and provided with GUTTERS AND PIPES AS TO PREVENT WATER DRIPPING over the public way.

PUBLIC BUILDINGS.

L.B. ACT, 1894.—*Digest.*

Construction to be approved by district surveyor or reference to tribunal of appeal. *See also* "STAIRCASES," &c.

PULPITS.

Near entrance to chancel, N.E. end of nave, best position. Floor usually about 3 ft. from ground, but level depends on size of church, and whether there are galleries. Book-board, 3 ft. 6 in. high. Least internal diam. 2 ft. 9 in.

PUMPS.

SUCTION PUMPS should not be more than 20 to 25 feet above the surface of the water to be raised.

Approximate quantity of water raised per hour by ordinary lift pump.

9in. stroke and 25 strokes per minute.

Diam. of Pump. Ins.	Quantity raised. Gallons.	Diam. of Pump. Ins.	Quantity raised. Gallons.
2	150	5½	1160
2½	240	6	1380
3	345	6½	1620
3½	470	7	1880
4	615	7½	2155
4½	775	8	2454
5	960		

SIZES, ETC., OF CENTRIFUGAL PUMPS.

Size of Pump. Ins.	Maximum Quantity Raised per Minute. Gallons.	Nominal Horse Power of Engine for Each Foot of Height from Water Level.
2	120	·04
3	150	·05
4	280	·08
5	400	·15
6	600	·2
7	850	·28
8	1100	·35
10	1800	·55
12	2600	·8
15	4300	1·3
18	6300	1·8
21	8800	2·5
24	10,400	3·0

READY RECKONER TABLE.

No.	¼d.		½d.		¾d.		1d.		2d.		3d.		4d.	
	s.	d.	s.	d.	s	d.	s.	d.	s.	d.	s.	d.	s.	d.
1	0	0¼	0	0½	0	0¾	0	1	0	2	0	3	0	4
2	0	0½	0	1	0	1½	0	2	0	4	0	6	0	8
3	0	0¾	0	1½	0	2¼	0	3	0	6	0	9	1	0
4	0	1	0	2	0	3	0	4	0	8	1	0	1	4
5	0	1¼	0	2½	0	3¾	0	5	0	10	1	3	1	8
6	0	1½	0	3	0	4½	0	6	1	0	1	6	2	0
7	0	1¾	0	3½	0	5¼	0	7	1	2	1	9	2	4
8	0	2	0	4	0	6	0	8	1	4	2	0	2	8
9	0	2¼	0	4½	0	6¾	0	9	1	6	2	3	3	0
10	0	2½	0	5	0	7½	0	10	1	8	2	6	3	4
11	0	2¾	0	5½	0	8¼	0	11	1	10	2	9	3	8
12	0	3	0	6	0	9	1	0	2	0	3	0	4	0
13	0	3¼	0	6½	0	9¾	1	1	2	2	3	3	4	4
14	0	3½	0	7	0	10½	1	2	2	4	3	6	4	8
15	0	3¾	0	7½	0	11¼	1	3	2	6	3	9	5	0
16	0	4	0	8	1	0	1	4	4	8	4	0	5	4
17	0	4¼	0	8½	1	0¾	1	5	2	10	4	3	5	8
18	0	4½	0	9	1	1½	1	6	3	0	4	6	6	0
19	0	4¾	0	9½	1	2¼	1	7	3	2	4	9	6	4
20	0	5	0	10	1	3	1	8	3	4	5	0	6	8
21	0	5¼	0	10½	1	3¾	1	9	3	6	5	3	7	0
22	0	5½	0	11	1	4½	1	10	3	8	5	6	7	4
23	0	5¾	0	11½	1	5¼	1	11	3	10	5	9	7	8
24	0	6	1	0	1	6	2	0	4	0	6	0	8	0
25	0	6¼	1	0½	1	6¾	2	1	4	2	6	3	8	4
26	0	6½	1	1	1	7½	2	2	4	4	6	6	8	8
27	0	6¾	1	1½	1	8¼	2	3	4	6	6	9	9	0
28	0	7	1	2	1	9	2	4	4	8	7	0	9	4
29	0	7¼	1	2½	1	9¾	2	5	4	10	7	3	9	8
30	0	7½	1	3	1	10½	2	6	5	0	7	6	10	0
31	0	7¾	1	3½	1	11¼	2	7	5	2	7	9	10	4
32	0	8	1	4	2	0	2	8	5	4	8	0	10	8
33	0	8¼	1	4½	2	0¾	2	9	5	6	8	3	11	0
34	0	8½	1	5	2	1½	2	10	5	8	8	6	11	4
35	0	8¾	1	5½	2	2¼	2	11	5	10	8	9	11	8
36	0	9	1	6	2	3	3	0	6	0	9	0	12	0

Ready Reckoner—*continued.*

No.	¼d. s.	¼d. d.	½d. s.	½d. d.	¾d. s.	¾d. d.	1d. s.	1d. d.	2d. s.	2d. d.	3d. s.	3d. d.	4d. s.	4d. d.
37	0	9¼	1	6½	2	3¾	3	1	6	2	9	3	12	4
38	0	9½	1	7	2	4½	3	2	6	4	9	6	12	8
39	0	9¾	1	7½	2	5¼	3	3	6	6	9	9	13	0
40	0	10	1	8	2	6	3	4	6	8	10	0	13	4
41	0	10¼	1	8½	2	6¾	3	5	6	10	10	3	13	8
42	0	10½	1	9	2	7½	3	6	7	0	10	6	14	0
43	0	10¾	1	9½	2	8¼	3	7	7	2	10	9	14	4
44	0	11	1	10	2	9	3	8	7	4	11	0	14	8
45	0	11¼	1	10½	2	9¾	3	9	7	6	11	3	15	0
46	0	11½	1	11	2	10½	3	10	7	8	11	6	15	4
47	0	11¾	1	11½	2	11¼	3	11	7	10	11	9	15	8
48	1	0	2	0	3	0	4	0	8	0	12	0	16	0
49	1	0¼	2	0½	3	0¾	4	1	8	2	12	3	16	4
50	1	0½	2	1	3	1½	4	2	8	4	12	6	16	8
51	1	0¾	2	1½	3	2¼	4	3	8	6	12	9	17	0
52	1	1	2	2	3	3	4	4	8	8	13	0	17	4
53	1	1¼	2	2½	3	3¾	4	5	8	10	13	3	17	8
54	1	1½	2	3	3	4½	4	6	9	0	13	6	18	0
56	1	2	2	4	3	6	4	8	9	4	14	0	18	8
58	1	2½	2	5	3	7½	4	10	9	8	14	6	19	4
60	1	3	2	6	3	9	5	0	10	0	15	0	20	0
62	1	3¾	2	7½	3	11¼	5	3	10	6	15	9	21	0
64	1	4½	2	9	4	1½	5	6	11	0	16	6	22	0
66	1	5¼	2	10½	4	3¾	5	9	11	6	17	3	23	0
70	1	5¾	2	11	4	4½	5	10	11	8	17	6	23	4
72	1	6	3	0	4	6	6	0	12	0	18	0	24	0
78	1	7½	3	3	4	10½	6	6	13	0	19	6	26	0
80	1	8	3	4	5	0	6	8	13	4	20	0	26	8
84	1	9	3	6	5	3	7	0	14	0	21	0	28	0
90	1	10½	3	9	5	7½	7	6	15	0	22	6	30	0
100	2	1	4	2	6	3	8	4	16	8	25	0	33	4

No.	5d. s.	5d. d.	6d. s.	6d. d.	7d. s.	7d. d.	8d. s.	8d. d.	9d. s.	9d. d.	10d. s.	10d. d.	11d. s.	11d. d.
1	0	5	0	6	0	7	0	8	0	9	0	10	0	11
2	0	10	1	0	1	2	1	4	1	6	1	8	1	10
3	1	3	1	6	1	9	2	0	2	3	2	6	2	9
4	1	8	2	0	2	4	2	8	3	0	3	4	3	8
5	2	1	2	6	2	11	3	4	3	9	4	2	4	7
6	2	6	3	0	3	6	4	0	4	6	5	0	5	6
7	2	11	3	6	4	1	4	8	5	3	5	10	6	5
8	3	4	4	0	4	8	5	4	6	0	6	8	7	4
9	3	9	4	6	5	3	6	0	6	9	7	6	8	3
10	4	2	5	0	5	10	6	8	7	6	8	4	9	2
11	4	7	5	6	6	5	7	4	8	3	9	2	10	1
12	5	0	6	0	7	0	8	0	9	0	10	0	11	0
13	5	5	6	6	7	7	8	8	9	9	10	10	11	11
14	5	10	7	0	8	2	9	4	10	6	11	8	12	10
15	6	3	7	6	8	9	10	0	11	3	12	6	13	9
16	6	8	8	0	9	4	10	8	12	0	13	4	14	8
17	7	1	8	6	9	11	11	4	12	9	14	2	15	7
18	7	6	9	0	10	6	12	0	13	6	15	0	16	6
19	7	11	9	6	11	1	12	8	14	3	15	10	17	5
20	8	4	10	0	11	8	13	4	15	0	16	8	18	4
21	8	9	10	6	12	3	14	0	15	9	17	6	19	3
22	9	2	11	0	12	10	14	8	16	6	18	4	20	2
23	9	7	11	6	13	5	15	4	17	3	19	2	21	1
24	10	0	12	0	14	0	16	0	18	0	20	0	22	0
25	10	5	12	6	14	7	16	8	18	9	20	10	22	11
26	10	10	13	0	15	2	17	4	19	6	21	8	23	10
27	11	3	13	6	15	9	18	0	20	3	22	6	24	9
28	11	8	14	0	16	4	18	8	21	0	23	4	25	8
29	12	1	14	6	16	11	19	4	21	9	24	2	26	7
30	12	6	15	0	17	6	20	0	22	6	25	0	27	6
31	12	11	15	6	18	1	20	8	23	3	25	10	28	5
32	13	4	16	0	18	8	21	4	24	0	26	8	29	4
33	13	9	16	6	19	3	22	0	24	9	27	6	30	3
34	14	2	17	0	19	10	22	8	25	6	28	4	31	2
35	14	7	17	6	20	5	23	4	26	3	29	2	32	1
36	15	0	18	0	21	0	24	0	27	0	30	0	33	0
37	15	5	18	6	21	7	24	8	27	9	30	10	33	11
38	15	10	19	0	22	2	25	4	28	6	31	8	34	10
39	16	3	19	6	22	9	26	0	29	3	32	6	35	9
40	16	8	20	0	23	4	26	8	30	0	33	4	36	8
41	17	1	20	6	23	11	27	4	30	9	34	2	37	7
42	17	6	21	0	24	6	28	0	31	6	35	0	38	0
43	17	11	21	6	25	1	28	8	32	3	35	10	39	5
44	18	4	22	0	25	8	29	4	33	0	36	8	40	4
45	18	9	22	6	26	3	30	0	33	9	37	6	41	3
46	19	2	23	0	26	10	30	8	34	6	38	4	42	2
47	19	7	23	6	27	5	31	4	35	3	39	2	43	1
48	20	0	24	0	28	0	32	0	36	0	40	0	44	0
49	20	5	24	6	28	7	32	8	36	9	40	10	44	11
50	20	10	25	0	29	2	33	4	37	6	41	8	45	10
60	25	0	30	0	35	0	40	0	45	0	50	0	55	0
70	29	2	35	0	40	10	46	8	52	6	58	4	64	2
80	33	4	40	0	46	8	53	4	60	0	66	8	73	4
90	37	6	45	0	52	6	60	0	67	6	75	0	82	6
100	41	8	50	0	58	4	66	8	75	0	83	4	91	8

RETAINING WALLS.

Average THICKNESS at base ½ height, reducing by regular offsets at back. Where earth is higher than wall and slopes away from it the thickness of the wall should be increased in proportion to its height.

BATTER should be 1 in 6 to 1 in 10. There is a tendency for wet to find its way into the joints of walls which batter, they should therefore be pointed in cement.

WEEPHOLES should be provided one to every 2 to 3 yards super.

ROOFS.

WEIGHTS OF MATERIALS PER FOOT SUPER OF ROOFING.

Approximate.

	lbs.	oz.
Wood Trusses (10 ft. apart and including purlins).		
King post ... 20 ft. span	2	0
,, ... 30 ,, ...	2	6
Queen Post ... 30 ,, ...	3	0
,, ... 50 ,, ...	3	8
Queen and princess 60 ,, ...	4	0
Rafters wood	2	4
Ceilings and joists	11	0
⅞ inch slate boarding	2	8
1 ,, ,, ...	3	6
1¼ ,, ,, ...	4	4
2½ × 1 slate battens, 7½ gauge	1	8
,, ,, 8½ ,, ...	1	6
,, ,, 10½ ,, ...	1	2
Felt	0	8
Thatch	6	8
Slates, 3 inches lap	9	0
Tiles, plain	18	0
,, pan	11	0
Zinc (with rolls), 12 gauge	1	3
,, 14 ,, ...	1	8
,, 16 ,, ...	1	12
Copper ,, 25 ,, ...	1	2
,, ,, 23 ,, ...	1	8
,, ,, 21 ,, ...	1	15
,, ,, 19 ,, ...	2	8
Lead, 6 lb.	6	8
Corrugated Iron, 20 s. w. gauge ...	2	0
Wind, 30° pitch, 22 to 25 lbs.		
,, 45° ,, 27 to 30 ,,		

CHURCH.

Based on requirements of the Incorporated Society for Promoting Building of Churches.

Oak, teak, or Baltic fir, or pitch pine. No pitch pine or other American timber should be used in contact with any wall, or in floors or plates. If trussed coupled rafters be used for spans exceeding 20 ft. without principals, sufficient tie beams must be introduced.

If trussed principals, and the distance apart exceed 12 ft. from centre to centre, intermediate trusses must be introduced. Ends of main timbers should rest on stone corbels or template, with space for ventilation between timber and walling.

Rafters exposed to view should not be less than 4½ ins. wide.

Vaulting stone or brick. Plaster groining should not be used, nor stone be imitated in wood.

Slates on 1 in. boarding or 2 in. × 1 in. battens, 2 in. copper nails. Tiles on stout English Oak laths, 1½ in. × 1 in. battens; nibbed tiles must also be nailed. If stone slaths then extra strength of roof.

Joints of rough stone or slate must be pointed inside. Tiles bedded in clean dry hair, packed in carefully at the line of pins, never bedded in mortar. Cast lead preferable to milled. Rolls formed by rolling edges together preferable to sheets lapped round rolls. Never lay lead on oak boarding; provide ventilation where lead is used. Sheets not longer than 10 ft. or wider than 2 in. 3 in. between rolls and weight not less than 7 lbs.

Where rafters are only covered with boarding it must be 1 in. thick and tongued at the joints, and a cavity of 2 ins. between boarding and tiling or slating; laths formed by outer rafters 2 in. × 2 in. not more than 12 ins. apart. In the case of an inner boarded ceiling below rafters, the cavity may be dispensed with, but there must be a rough plaster ceiling under the rafters.

The inner ceiling may be covered on back with dry hair felt. A perfect roof covering facilitates the warming of a church.

L.B. ACT, 1894.—*Digest.*

Every structure on a roof to be covered with slate, tile, metal, or other incombustible material, except wooden cornices and barge boards to dormers, not exceeding 12 ins. in depth; and doors, and windows, and their frames. Every dwelling-house or factory above 30 ft., and having a parapet, to have means of access to the roof. Trap doors to have hinged fixed step ladders.

PITCH OF ROOF to warehouse buildings not to be more than 47 degrees; other buildings 75 degrees (towers, turrets, and spires excepted).

STORIES IN ROOF.—Not more than two in domestic buildings. If upper surface of floor over 60 ft. from street, story to be fire-proof throughout, and to be provided with means of escape certified as satisfactory before occupation.

Roofs—*continued.*

TABLE OF SCANTLINGS OF WOOD ROOFS.

King and Queen Post Trusses, 10 feet apart, Pitch 27°; Slate Covering.

Span in feet.	Tie Beam. Ins.	Principal Rafters. Ins.	King Post. Ins.	Queen Post. Ins.	Small Queens. Ins.	Straining Beams. Ins.	Struts. Ins.
20	9 × 4	4 × 4	4 × 4	...	...	...	4 × 2
22	9½ × 5	5 × 3	5 × 3	...	...	...	3½ × 2½
24	10½ × 5	5 × 4	5 × 4	...	...	...	4 × 2½
26	11 × 5½	5½ × 4	5½ × 4	...	...	...	4½ × 2½
28	11½ × 6	6 × 4	6 × 4	...	...	...	4½ × 2½
30	12 × 6	6 × 4½	6 × 4½	...	...	...	5 × 3
32	10 × 4½	5 × 4½	...	4½ × 4	...	6½ × 4½	4 × 2
34	10 × 5	5 × 5	...	5 × 4	...	7 × 4½	4 × 2½
36	11 × 5	6 × 5	...	5 × 4	...	7 × 5	4½ × 2½
38	11 × 5½	6½ × 5	...	5 × 5	...	7 × 5½	4½ × 2½
40	11 × 6	6½ × 6	...	6 × 4	...	7½ × 6	4½ × 2½
42	11½ × 6	6 × 6½	...	6 × 4½	...	8 × 6	4½ × 3
44	12 × 6	6 × 7	...	6 × 5	...	8½ × 6	4½ × 3
46	12½ × 6	6 × 7	...	6 × 5½	...	8½ × 6	4½ × 3
48	12 × 6	6 × 7½	...	6 × 5½	6 × 2	8 × 6	4½ × 2½
50	12 × 6	8 × 6	...	6 × 6½	6 × 2½	8½ × 6	4½ × 2½
52	12 × 7	8½ × 7	...	6 × 7	7 × 2½	8½ × 6	4½ × 3
54	12 × 8	8½ × 7	...	7 × 6½	7 × 2½	9 × 6	4½ × 3
56	12 × 8½	8½ × 7	...	7 × 6½	7 × 2½	9½ × 6	5 × 3
58	12 × 9	9 × 7	...	7 × 7	7 × 2½	9½ × 7	5 × 3
60	13 × 9	9 × 7	...	7½ × 7	7 × 3	10 × 7	5 × 3

PURLINS.

Distance apart in feet.

Bearing in feet.	6 Depth.	6 Breadth.	7 Depth.	7 Breadth.	8 Depth.	8 Breadth.	9 Depth.	9 Breadth.
6	6	× 3½	6	× 4	6½	× 4	6½	× 4½
7	6½	,, 4	7	,, 4	7½	,, 4	7½	,, 4½
8	7½	,, 4	7½	,, 4½	8	,, 4½	8½	,, 5
9	8	,, 5	8½	,, 5	8½	,, 5½	9	,, 5½
10	8½	,, 5½	9	,, 5½	9	,, 6	9½	,, 6
11	9½	,, 5½	10	,, 5½	10	,, 6	10½	,, 6
12	10	,, 6	10½	,, 6½	10½	,, 7	11	,, 7
13	10½	,, 6½	11	,, 6½	11	,, 7	12	,, 7
14	11	,, 6½	11	,, 7	11½	,, 7	12	,, 7½
15	12	,, 7	12	,, 7½	12	,, 8	13	,, 8

COMMON RAFTERS (12 inches apart).

4 feet bearing, 3 in. × 1½ in.; 6 feet bearing, 3½ in. × 2 in.; 8 feet bearing, 4 in. × 2½ in.; 10 feet bearing, 5 in. × 2½ in.; 12 feet bearing, 6½ in. × 2 in.; 14 feet bearing, 7½ in. × 2½ in.

SCHOOLS, PUBLIC ELEMENTARY.

REQUIREMENTS.

(*Plans which do not fully comply with the following Requirements cannot be considered.*)

I.—A block plan of the site, in ink, scale 20 ft. to an inch. This plan must indicate—(*a*) Position of the school buildings. (*b*) Out-buildings. (*c*) Playground. (*d*) Drains (collateral and main), with their fall and depth. (*e*) Entrances. (*f*) Boundary walls, or fences, and their nature. (*g*) Roads. (*h*) The points of the compass. (*i*) The levels of the ground at the principal points.

N.B.—For approval of site alone, the plan should show (*g*) (*h*) and (*i*).

II.—A plan of each floor of the schoolrooms (and teacher's or caretaker's residence, if any) in ink, scale 8 ft. to an inch. The internal fittings of the rooms (fire-places, groups of desks, etc.) must be accurately shown. The plan should also state whether the rooms are intended for boys, girls, or infants. In cases of enlargement, a plan showing the buildings as they exist is needed.

III.—Sections and at least four elevations, also in ink, scale 8 ft. to an inch. The ceiling, positions of window-heads in relation thereto, and mode of ventilation must be shown.

N.B.—(*a*) Pencil drawings cannot be received, but coloured tracings in ink on tracing cloth may be submitted while plans are in the preliminary stage of pencil, so that suggested alterations can be adopted without difficulty or expense.

(*b*) Diagrams cannot be accepted.

(*c*) In the case of enlargements or alterations the whole site and existing building should be as accurately shown in every respect as the proposed changes, and in such a manner that any change of numbers can be ascertained.

(*d*) All plans should be dated, the scales drawn and dimensions figured.

IV.—A section of the desk proposed to be used, drawn to a scale of 1½ inches to a foot. (See Rule 15).

V.—A detailed estimate of proposed expenditure.

Schools—*continued.*

VI.—A certificate signed by the Surveyor of the Borough or District in which the School will be situate to the effect that the plans comply with any Bye-laws which are in force.

RULE 1.—PLANNING.

Every school must be planned so that children can be seated in the best manner for being taught. The rooms must be grouped compactly and conveniently, to secure proper organisation and supervision. The accommodation of every room depends not merely on its area, but also on the lighting, shape of the room (especially in relation to the kind of desks proposed), and position of the doors and fireplaces. The doors and fireplaces should be arranged to allow the whole of one side of room to be left free for the groups of desks.

RULE 2.—CENTRAL HALLS.

A Central Hall should have a floor-space of about 3½ but not exceeding 4 sq. ft. for each scholar for whom the school is recognised. The Hall must be fully lighted, warmed, and ventilated.

(*a*) A single Central Hall may be provided for the joint use, at separate times, of two departments, provided that it is so placed as to be readily accessible from the class-room of each department.

(*b*) Where outdoor space is not available, physical training should be given in the Central Hall (or Corridor). This purpose should be taken into consideration at the time when the building is planned. Since fixed gymnastic apparatus is unsuitable for children under 14 years of age, a separate gymnasium is not required, and cannot be approved (Schedule III. of the Code).

RULE 3.—CORRIDORS.

Large schools not built with a Central Hall must be provided with a wide Corridor giving access to the rooms. A Corridor should be fully and directly lighted and ventilated, and from 8 to 12 ft. wide, according to size of school. Two or three of the rooms ought to be separated only by movable partitions, to secure flexible working.

RULE 4.—SCHOOLROOMS.

A schoolroom should never be designed for more than 100 children, and a room of even smaller size is desirable. The width should vary according to the kind and arrangement of desks (Rule 16).

No schoolroom lighted from one side only can be approved. The gable ends should be fully utilised for windows, and there should be no superfluous windows opposite the teacher. A schoolroom which has no class-room attached should not contain more than 600 sq. ft. of floor-space.

RULE 5.—CLASS-ROOMS.

The number of class-rooms should be sufficient for the size and circumstances of the school.

(*a*) The class-rooms should never be passage-rooms from one part of the building to another, nor from school-rooms to playground or yard. Both schoolrooms and class-rooms must have independent entrances. Every room should be easily cleared without disturbance to any other room.

(*b*) A class-room should not be planned to accommodate more than 50 to 60 children; but in special cases larger rooms may be approved. The minimum size is 18 ft. by 15 ft., but if desks are arranged parallel to the longer side of the room, the width should not be less than 16 ft. In the absence of supplementary light, the measurement from the window-wall in a room 14 ft. high should not exceed 24 ft. 8 in.

(*c*) The proportions of class-rooms should vary with the kind and arrangement of desks; but a long and narrow room should be avoided, and a room approximating to a square is most satisfactory.

RULE 6.—ACCOMMODATION.

The accommodation of a school for older scholars is based upon the number of children who can be seated at the desks, arranged in accordance with Rule 16, provided that a minimum of 10 sq. ft. of floor space per child is obtained. A Central Hall will not be counted in the accommodation, nor will a class-room for Cookery, Laundry, Manual Instruction, Drawing, or Science.

RULE 7.—WALLS, FLOORS, AND ROOFS.

The walls of every room used for teaching, if ceiled at the level of the wall plate, must be at least 12 ft. high from the level of the floor; if the area of the room exceed 360 sq. ft., the height must be not less than 13 ft., and if it exceed 600 sq. ft., then the height must be at least 14 ft.

(*a*) The walls of every room used for teaching, if

Schools—*continued.*

ceiled to the rafters and collar beam, must be at least 11 ft. high from the floor to the wall plate, and at least 14 ft. to the ceiling across the collar beam.

(*b*) Great care should be taken to render roofs impervious to cold and heat.

(*c*) Roofs open to the apex are undesirable. They can only be permitted where roofs are specially impervious to heat and cold, and where apex-ventilation is provided. Iron tie-rods are least unsightly when placed horizontally.

(*d*) The whole of external walls of school and residence should be solid. If of brick, the thickness must be at least one brick and a half; and, if of stone, at least 20 inches; where hollow walls are proposed, one portion must have full thickness required for a solid wall.

(*e*) All walls, including fence walls, should have a a damp-proof course just above the ground line.

(*f*) The vegetable soil within the area of building should be removed, the whole space covered by a layer of concrete not less than 6 in. thick, and air bricks inserted in *opposite* walls to ensure a through current of air under floors for ventilation to joists.

(*g*) Timber should be protected from mortar and cement by asphalt or tar.

RULE 8.—ENTRANCES.

Entrances should be separate for each department and sex. In large schools more than one entrance to each department is desirable. (See Rule 9.) Principal entrances should never be through the cloak-room. Entrance doors should open outwards and inwards. A porch should be external to the school-room. An external door, having outside steps, requires a landing between the door and threshold.

RULE 9.—STAIRCASES.

There must be separate staircases for each sex and each department. Every staircase must be fire-proof, and external to halls, corridors, or rooms. Trianglar steps or "winders" must not be used. Each step must be about 13 inches broad and not more than 5½ or 6 inches high. The flights must be short, and the landing unbroken by steps. The number of staircases must be sufficient not only for daily use, but also for rapid exit in cases of fire or panic. For any upper floor accommodating more than 250, a second staircase is essential.

RULE 10.—CLOAK-ROOMS AND LAVATORIES.

Cloak-rooms should not be passages, and should be external to school-rooms and class-rooms, with gangways at least 4 ft. wide between the hanging-rails, and amply lighted from the end. They should not be placed against the gable wall (See Rule 4). There should be separate ingress and egress so that children can enter and leave the cloak-room without confusion or crowding. Hat pegs should be 12 in. apart, numbered, and of two tiers. The lineal hanging space necessary to provide a separate peg for each child is thus 6 inches. The hat pegs should not be directly one above the other. Thorough ventilation and disconnection are essential, so that smells are not carried into the school. Ample space is needed immediately outside a cloak-room. Lavatory basins are needed (See Rule 14 (*g*).). Girls' schools require a larger number than boys' or infants'. A lock-up slop sink, water-tap, and cupboard are desirable for the caretaker.

RULE 11.—LIGHTING.

Every part and corner of a school should be fully lighted. The light should, as far as possible, and especially in class-rooms, be admitted from the left side of scholars. (This rule will be found greatly to influence the planning (See Rules 4, 11 (*b*) and 12 (*a*).) All other windows in class-rooms should be regarded as supplementary or for ventilation. Where left light is impossible, right light is next best. Windows full in the eyes of teachers or scholars are under no circumstances approved. In rooms 14 ft. high, any space beyond 24 ft. from the window-wall is insufficiently lighted. (See Rule 5 (*b*).)

(*a*) Windows should never be provided for the sake merely of external effect. All kinds of glazing which diminish the light and are troublesome to keep clean and in repair must be avoided. A large portion of each window should be made to open for ventilation and cleaning.

(*b*) The sills of main lighting windows should be placed not more than 4 ft. above floor; the tops of the windows should as a rule reach nearly to ceiling; the upper portion should be made to swing. The ordinary rules respecting hospitals should be remembered. Large spaces between window heads and ceiling are productive of foul rooms.

Schools—*continued.*

(*c*) Skylights are objectionable. They cannot be approved in school-rooms or class-rooms. They will only be allowed in Central Halls having ridge or apex ventilation.

(*d*) The colouring of walls and ceilings and of all fittings in the rooms should be carefully considered as affecting the light. This point and size and position of windows are especially important in their bearing on the eyesight of the children.

RULE 12.—VENTILATION.

The chief point in ventilation is to prevent stagnant air; particular expedients are only subsidiary to this main principle. Apart from open windows and doors there must be provision for copious inflow of fresh air, and for outflow of foul air at highest point of room. The best way of providing the latter is to build to each rom a separate air chimney carried up in same stack with smoke flues. An outlet should be by a warm flue or exhaust, otherwise it will frequently act as a cold inlet. Inlets are best placed in corners of rooms furthest from doors and fireplaces, and should be arranged to discharge upwards into room. Gratings in floors should never be provided. Inlets should provide a minimum of 2½ sq. in. per child and outlets a minimum of 2 in. All inlets and outlets should be in communication with the external air. Besides being continuously ventilated by means described, room should as often as possible be flushed with fresh air admitted through open windows and doors. Sunshine is of particular importance in its effects on ventilation and also on the health of children.

(*a*) Although lighting from left hand is considered so important, ventilation demands also provision of a small swing window as far from the lighting as possible, and near the ceiling.

RULE 13.—WARMING.

The heat should be moderate and evenly distributed so as to maintain a temperature of from 56 deg. to 60 deg. When a corridor or lobby is warmed, rooms are more evenly dealt with and are less liable to cold draughts. Where schools are wholly warmed by hot water, the principle of direct radiation is recommended. In such cases open fireplaces in addition are useful for extra warming on occasions, and their flues for ventilation always.

(*a*) A common stove, with a pipe through the wall or roof, can under no circumstances be allowed. Stoves are only approved when—

(i) provided with proper chimneys (as in the case of open fires);

(ii) of such a pattern that they cannot become red hot, or otherwise contaminate the air;

(iii) supplied with fresh air, direct from the outside, by a flue of not less than 72 in. superficial; and

(iv) not of such a size or shape as to interfere with floor space necessary for teaching purposes.

(*b*) A thermometer should always be kept hung up in each room.

(*c*) Fireplaces and stoves should be protected by fireguards.

RULE 14.—SANITARY ARRANGEMENTS.

Water-closets within the main school building are not desirable, and are only required for women teachers. All others should be at a short distance and completely disconnected from the school. Privies should be fully 20 ft. distant.

(*a*) The latrines and the approaches to them must be wholly separate for the two sexes. In the case of a mixed school this rule especially affects the planning. Passages or corridors should not be used by both sexes; where such an arrangement is unavoidable, there must be complete supervision from the class-rooms by sheets of clear glass.

(*b*) Each closet must be not less in the clear than 2 ft. 3 in. wide, nor more than 3 ft., fully lighted and ventilated, and supplied with a door. The doors should be at least 3 in. short at the bottom and 6 in. at the top. More than one seat is not allowed in any closet.

(*c*) The children must not be obliged to pass in front of the teacher's residence to reach their latrines.

(*d*) The following table shows approximately the number of closets needed:—

	For Girls	For Boys	For Infants
Under 30 children	2	1	2
,, 50 ,, ...	3	2	3
,, 70 ,, ...	4	2	3
,, 100 ,, ...	5	3	4
,, 150 ,, ...	6	3	5
,, 200 ,, ...	8	4	6
,, 300 ,, ...	12	5	8

Schools—*continued.*

There should be urinals in proportion of 8 ft. per 100 boys.

(*e*) Earth or ash closets of an approved type may be employed in rural districts, but drains for disposal of slop and surface water are necessary. Cesspits and privies should only be used where unavoidable, and should be at a distance of at least 20 ft. from the school. [Building form "A," which may be obtained on application, gives suggestions as to their construction and arrangement.]

(*f*) Soil-drains must always be laid outside the building (on a hard even bottom of concrete) in straight lines with glazed stoneware pipes, carefully jointed in cement and made absolutely water-tight. A diameter of 4 in. is sufficient except for drains receiving the discharge of more than 10 closets, when the diameter should be 6 in. The fall should never be less than 1 in 30 for 4-in., and 1 in 40 for 6-in. drains. An inspection opening or chamber should be provided at each change of direction so as to facilitate cleansing the drain without opening the ground. Every soil-drain must be disconnected from the main sewer by a properly constructed trap placed on the line of drain between the latrines and the public sewer. This trap must be thoroughly ventilated by at least two untrapped openings; one being the 4-inch soil pipe carried up full size above the roof, and the other an inlet pipe connected with the side of the trap furthest from the public sewer. Automatic flushing tanks are desirable where trough closets are used.

(*g*) Waste pipes from sinks or lavatories should be first trapped inside and then made to discharge direct through outer wall over a trapped gully.

RULE 15.—WATER SUPPLY.

All schools should be provided with an adequate supply of wholesome drinking water. In cases where such supply cannot be obtained from the mains of an Authority or Company authorised to supply water, care must be taken to ascertain that the supply proposed to be adopted is adequate in quantity, is of suitable character, and is not liable to pollution in any way, as *e.g.* by surface drainage, or by leakage from sewers, drains, cesspools, or other receptacles. All water pipes should be laid or fixed so as to be properly protected from frost, and that in the event of their becoming unsound the water conveyed in them will not become fouled, or escape without observation. There should be no direct communication between any pipe or cistern from which water is drawn for domestic purposes, and any water closet or urinal. All water closets and urinals should be provided with proper service cisterns, which together with the outlet therefrom, should be capable of providing a sufficient flush. Any cistern to be used for the storage of water should be watertight and be properly covered and ventilated, and should be placed in such a position that the interior may be readily inspected and cleansed.

RULE 16.—DESKS.

Seats and desks should be provided for all the children, graduated according to their ages, and placed at right angles to the window-wall. (See also Rules 4 and 11.) The seats should be fitted with backs. An allowance of 18 ins. per scholar at each desk and seat will suffice (except in the case of the dual desk), and the length of each group should therefore be some multiple of 18 ins., with gangways of 18 ins. between the groups and at the walls. In the case of the dual desk the usual length is 3 ft. 4 ins., and the gangways 1 ft. 4 ins.

(*a*) No desks should be more than 12 ft. long. In an ordinary class-room five rows of long desks or six rows of dual desks are best; but in a school-room or room providing for more than 60 children, there should not be more than four rows of long desks or five rows of dual desks. If a school-room is 18 ft. wide, three rows of long desks or four of dual desks may be used; if the width is 22 ft., the rows may be four and five respectively. Long desks should be so arranged that the teacher can pass between the rows. Where dual desks are used this is not necessary, as the gangways give sufficient access; but the teacher should be able to pass behind the back row.

(*b*) The desks should be very slightly inclined. An angle of 15° is sufficient. The flat desk has a tendency to make the children stoop. A raised ledge in front of a desk interferes with the arm in writing. The edge of the desk when used for writing should be vertically over the edge of the seat.

(*c*) Single desks are not necessary in an ordinary public elementary school, and in view of the additional expense involved can only be approved under exceptional circumstances.

Schools—*continued.*

RULE 17.—SITES AND PLAYGROUNDS.

Every school must have an open airy playground proportioned to the size and needs of the school, and the site should, if possible, have a building frontage suitable to its area. A site open to the sun is especially valuable for the children, and important in its effects on ventilation and health. The minimum size of site is, in the absence of exceptional circumstances, a quarter of an acre for every 250 children, irrespective of the space required for a teacher's or caretaker's house, or for a Cookery or other Centre. If the school is of more than one storey this area may be proportionately reduced; but a minimum unbuilt-on or open space of 30 sq. ft. per child should be preserved.

(*a*) In the case of a Mixed School of large size, playgrounds should be separate for boys and girls, and should, where practicable, have separate entrances from the road or street.

(*b*) All playgrounds should be fairly square, properly levelled, drained, and enclosed. A portion should be covered, having one side against the boundary wall. A covered-way should never connect the offices with the main building; buttresses, corners, and recesses should be avoided.

(*c*) An infants' school should have its playground on the same level as the school, and a sunny aspect is of special importance.

RULE 18.—INFANTS' SCHOOLS.

Infants should not, except in very small schools, be taught in the same room with older children, as the methods of instruction suitable for infants necessarily disturb the discipline and instruction of the othe rscholars. Access to the infants' room should never be through the older children's schoolroom.

(*a*) The partition between an infants' room and any other school-room should be impervious to sound, and there should be no habitual means of direct communication other than an ordinary door.

(*b*) An infants' school and playground must always be on the ground floor.

(*c*) No infant's class-room should accommodate, as a rule, more than 60 infants.

(*d*) A space in which the children can march and exercise should be provided. A Corridor intended for this purpose should not be less than 16 ft. wide.

(*e*) The babies' room should always have an open fire, and should be maintained at a temperature of not less than 60 degrees.

(*f*) In infants' schools an allowance of 16 ins. per child at long desks will be sufficient. Dual desks should be 3 ft. long.

(*g*) The accommodation of an infants' school is based upon the number of children who can be seated at the desks provided that a minimum of 9 sq. ft. of floor space per child is obtained.

(*h*) Where an infants' class-room is attached to a school for older children, and there is no Corridor or Hall available, it is desirable that the class-room should have a larger floor space than 9 sq. ft. per child, and that provision should be made of sufficient space, free of desks, for exercise.

RULE 19.—ROOMS FOR COOKERY, MANUAL INSTRUCTION, ETC.

As a rule a single room for Cookery, Laundry-work, Manual Instruction, Science, or Drawing, will serve for more than one school if provided as a Centre in a convenient position. Every such Centre should have its own lavatory and cloak-room. Large schools, or schools of an exceptional type, may sometimes require special rooms for their exclusive use.

(*a*) Cookery. A Cookery room should be capable of accommodating 12 to 18 at practice or 36 to 54 at demonstration at any one time. The larger size will require 750 superficial ft. and 10,500 cubic ft. Provision for instruction in scullery work is necessary.

The sink should be placed in full view of the teacher and children, and should be fitted with a cold water supply and a waste pipe.

There should also be a gallery or raised platform with desks to accommodate 36 to 54 children, according to the size of the room.

The floor space for practical work should afford about 20 sq. ft. for each scholar, and should not be encumbered with desks, cupboards, or stoves.

In Cookery-rooms the ventilation needs special arrangements. Where a gas stove is used, it may be necessary to have a pipe fixed to carry off noxious fumes. The temperature should not be allowed to rise above 70 deg.

The apparatus for lessons in cookery should include such stoves and other appliances as are usually found in the homes of the children.

(*b*) Laundry Work.

Schools—*continued.*

A Laundry should be of simple construction, and entirely apart from the ordinary school buildings.

The proper size for a Laundry is about 750 sq. ft. It should have a gallery or raised platform with desks for 42 children.

Laundry tables should be large enough to allow three ft. of space for each child when ironing.

The ventilation of rooms for laundry-work needs special arrangements for the removal of steam.

(*c*) Manual Instruction.

In its plan, arrangements, construction, lighting and ventilation, a Manual Instruction room should be modelled on a workshop rather than on a school. The construction should accordingly be simple. The roof may be either of lean-to or other ordinary form, according to circumstances. Its height at the windows in front of the benches need not be more than 10 ft. The light must be ample. The temperature should not be so high as in an ordinary class-room. A flat ceiling is not, as a rule necessary. Ample ventilation should be provided by inlets at a height of 5 ft. from the floor, and by outlets at the highest point. A Manual Instruction room for 20 scholars should have a floor space of about 700 sq. ft.

(*d*) Science room.

A room suitably fitted for elementary practical work in Science may be provided for the use of one large or several contributory schools. Such a Science-room should not, as a rule, contain more than 600 sq. ft. of floor space. It should be fitted with strong and plain tables, sinks, cupboards, and shelves, and where necessary, a fume closet. A proper supply of gas is necessary. In addition to a Science-room, one of the ordinary class-rooms may be fitted with a simple demonstration-table and gas and water supply. But a special lecture-room cannot be approved in an ordinary public elementary school.

(*e*) Drawing class-rooms. A Drawing class-room can only be sanctioned where it is likely to be used for a reasonable time every week by scholars from one large or several contributory schools. A suitable size for such a room is 600 sq. ft. of floor space. Light should be admitted at a suitable height and angle from the north, north-east or east.

RULE 20.—HIGHER ELEMENTARY SCHOOLS.

For a Higher Elementary School accommodating from 300 to 350 scholars, 10 class-rooms will generally be required, since every class should have its own class-room. No class-room should accommodate more than 40 scholars.

(*a*)—(i) The class-rooms may be furnished with single or dual desks as may be desired. Single desks should be 2 ft. long, arranged in pairs with intervals of 2 ins. and gangways of 2 ft.

(ii) If single desks are adopted, a class-room should have an area of about 16 sq. ft. per scholar. Class-rooms fitted with dual desks need not be so large, but a minimum of about 13 sq. ft. per scholar will be required.

(*b*) Every Higher Elementary School should be provided with suitable laboratories.

(i) The laboratory accommodation must be sufficient to provide at one time for the largest class in the school.

(ii) There should generally be one laboratory for chemistry and one for physics.

(iii) A laboratory should afford 30 sq. ft. of floor space for each scholar, the minimum size will therefore be 600 sq. ft., but it is as a rule desirable that the laboratory should be larger. If, however, the laboratory accommodates more than 25 scholars a second teacher would be required.

(iv) Laboratories must be fitted with suitable tables, which must be well lighted; they should be properly supplied with gas and water. For chemical laboratories, sinks, cupboards and the necessary fume closets must be provided.

(v) A small balance room may be provided if desired.

(*c*) (i) In addition to the class-rooms and laboratories a Higher Elementary School may include a lecture-room, which should be fitted with (1) a demonstration-table furnished with a gas and water supply and a sink, and (2) a fume closet. A lecture-room should have an area of about 750 sq. ft.

(ii) If no separate lecture-room is provided, each of the class-rooms used by the third and fourth years should be fitted with a simple demonstration table.

(iii) A small preparation room, fitted with bench, sink, cupboard and shelves, and proper supply of gas should be provided in a convenient position.

(*d*) A drawing class-room for the more advanced drawing is desirable. It should provide 30 sq. ft. of floor space for each scholar; the best size will be a room with an area of 750 sq. ft. If suitably lighted,

Schools—*continued.*

The Hall would answer for this purpose.

(*e*) Other special rooms for Cookery, Laundry-work and Manual Instruction should be provided in accordance with Rule 19.

(*f*) A Higher Elementary School should be planned with a Central Hall; but no class, other than drawing, can be recognised in such a hall.

RULE 21.—TEACHER'S HOUSE.

The residence for the master or mistress should contain a parlour, a kitchen, a scullery, and three bedrooms, and the smallest dimensions which the Board can approve are:—

For the parlour ... ... 14 ft. by 12 ft.
" " kitchen ... ... 12 ft. by 12 ft.
" one of the bedrooms 14 ft. by 12 ft.
" two other bedrooms 12 ft. by 8 ft.
} of superficial area;

parlour and kitchen, 9 ft. in height to wall-plate; bedrooms, 8 ft. if ceiled at wall-plate; or 7 ft. to wall-plate, and 9ft. to ceiling.

(*a*) The residence must be so planned that no room is a passage room, and that the chimneys are not all on the external walls.

(*b*) There must be no internal communication between the residence and the school.

(*c*) Windows should be carried up as nearly to the ceiling as practicable.

(*d*) There must be a separate and distinct yard with offices.

(*e*) No dwelling house should be built as part of the schoolhouse.

SEATING, CHURCH, &c.

Seats, 2 ft. 9 in. to 3 ft. apart.
Kneeling board, when spaced, 3 ft.
Length of each seat, 1 ft. 8 in. to 2 ft.
Width, 1 ft. 3 in., slightly tilted or hollowed.
Height, 1 ft. 4 in. to 1 ft. 6 in.
Height of back, 2 ft. 8 in. to 2 ft. 10 in., slightly sloped.
Free seats, at least 30 in. apart and 20 in. each.
Children's seats, at least, 27 in. apart and 14 in. each; and height, 12 to 14 in.

CHAIRS, allow 7 ft. super each including passages, but excluding chancel.

CHANCEL SEATS, clear space between fronts of book boards, at least 5 ft., but 8 ft. or more where possible. In chancel aisles movable seats are desirable.

SEPARATION OF BUILDINGS.

L.B. ACT, 1894.—*Digest.*

Buildings exceeding ten squares in area, and used partly for trade and partly as a dwelling-house, shall have the two parts separated by walls and floors of fire-resisting materials, and the passages, staircases, and all means of approach to the dwelling-house part shall be constructed of fire-resisting materials. The part used for trade, if exceeding 250,000 cubic feet, is subject to the provisions of the Act relating to the cubical contents of buildings of the warehouse class. Doorways communicating between the two parts to be fitted with fire-resisting doors.

Building exceeding 25 squares in area containing separate sets of offices and rooms, or adapted to be tenanted by different persons, must have floors and staircases of fire-resisting materials.

CUBICAL LIMIT.—Buildings of the warehouse class not to exceed 250,000 c. ft., unless divided with parting walls, and no division to contain more than 250,000 c. ft.

Separation of Buildings—*continued.*

Exemptions: Buildings beyond two miles of St. Paul's Cathedral, and used wholly for the manufacture of the machinery and boilers of steam vessels, or for a retort house, or the manufacture of gas, or for generating electricity; provided such building consist of one floor only, and is constructed of incombustible materials throughout. Every such building deemed to be a special building, to which general rules of Act not applicable.

Council may consent to additional size of building if satisfied that increased space is necessary, and that proper precautions are taken against fire, provided such building shall not exceed 450,000 c. ft., or less allowed by Council without being divided by party walls, that height shall not exceed 60 ft., and not to be used for the purpose of any trade involving use of explosives or inflammable materials.

SHEDS.

L.B. ACT, 1894.—*Digest.*

Open sheds not exceeding 16 ft. high, and not exceeding four squares in area, may be constructed of any substances and in any manner approved by district surveyor.

SINKS.

Usual height of sinks from floor is 3 ft. Slop sinks, 2 ft. Lead for metal lined sinks, 7lb. sides and 8lb. bottom, or 6lb. sides and 7lb. bottom. Draining boards fluted, hard wood, or fluted and covered with lead.

Service to sinks, ¾ in. Wastes, 2 in, with tap close to sink and overflow, discharge in open air, into intercepting trap.

Walls round sinks should be lined with metal, or have a cement skirting for a height of 6 in. or 9 in.

Sandstone sinks become foul. Stoneware or enamelled fireclay sinks are preferable.

Sinks used for washing china and glass should be metal lined (lead or tinned copper). Depth of metal lined sinks, 12 in. to 15 in.

Water for use in bedrooms should not be drawn off over a slop sink. A draw off sink should be provided.

SLATES.

SIZE, WEIGHT, AND COVERING CAPACITY.

NOTE.—Sizes vary of slates of same name. Size should be given when important.

Name.	Size. Inches.	Weight. 1st qual. per 1200. Cwt.	Guage. for 3" lap.	No. of Slates* per sq.	Nails per sq.
Smalls ...	12 × 8	17½	4½	400	800
Doubles ...	13 × 6	18	5	480	960
Ladies ...	14 × 12	31	5½	219	438
" ...	16 × 8	25	6½	277	554
Viscountesses	18 × 10	36	7½	192	384
Countesses ...	20 × 10	40	8½	170	340
Marchionesses	22 × 12	55	9½	127	254
Duchesses ...	24 × 12	60	10½	115	230
Imperials ...	30 × 24		13½	45	90
Rags ...	36 × 24		16½	37	74
Queens ...	36 × 24		16½	37	74

* Allow 5% extra for waste.

Slates—*continued.*

Nails, if iron, should be galvanised or dipped in boiled linseed oil whilst hot.

Composition nails should be used for best work.
1¼ inch nails for small slates.
1½ " for Countess and Duchess.
2 " for larger sizes.
Two nails to each slate.

Slates should be of best quality, properly squared, free from spots and other defects. Lap 3 in. Double course at eaves and vergers.

SLAUGHTER HOUSES.

Should be well lighted and ventilated.

Every animal intended for slaughter should be kept on the premises in a pound, pen or lair.

No animal should be slaughtered in public view or in view of any other animal.

Allow, at least, 24 sq. ft. per cattle.
" " 8 " " calf.
" " 6 " " sheep, lamb, or pig.

Walls should be of brick, stone, or concrete for at least a height of 6 ft.

Slaughter house should be properly roofed in; pounds, pens, and lairs should be separated from slaughter house by close partitions at least 5 ft. high, and all doors in such partitions should be close boarded.

Entrance door at least 3 ft. 6 in., or if for pigs, sheep and lambs may be only 2 ft. 9 in. wide.

There should be no steps, and if a slope it should not have a rise of more than 1 ft. in 4 ft.

Paving should be jointless granite, cement, concrete, or other suitable impervious material with proper slope to gully, which should have a fixed trap and a fixed iron grid.

Water supply should be sufficient for cleaning slaughter house, pounds, pens, or lairs, and vessels and receptacles, and a water trough is necessary in every pound, pen, or lair.

No dwelling room should be over a slaughter house.

W.C., &c., should not be within any slaughter house, nor communicate therewith.

STABLE BUILDINGS.

Allow per horse, including passages, 110 to 120 ft. super.

Width of building, 16 ft. to 18 ft.
Height, 10 ft. to 12 ft.
Stalls, width, 6 ft. to 6 ft. 6 in.
" length, 9 ft. to 10 ft.
Loose boxes, twice the size of stails, usually 12 ft. × 12 ft.
Divisions, 7 ft. high, ramping down to 4 ft. 6 in.
Stable doors, 4 ft. wide, 7 ft. high.
Yard, 20 to 25 ft. wide.

COACH HOUSES.

Depth, 16 ft. to 18 ft.
Height, 10 ft. (least).
Door, 6 ft. 6 in. to 7 ft. wide and 7 ft. 6 in. to 9 ft. high.
Allow 15 ins. to 24 ins. between and around carriages.

Stable Fittings—*continued.*

SIZE OF CARRIAGES.

Drag or 4-horse coach, 13 ft. long, 6 ft. 4 in. wide, 8ft. 4 in. high.

Landau, 13 ft. 6 in. long, 6 ft. 2 in. wide, 7 ft. 3 in. high.

Double Brougham, 12 ft. long, 5ft. 8in. wide, 6 ft. 11 in. high.

Single Brougham, 12 ft. long, 5 ft. 6 in. wide, 6 ft. 6 in. high.

Cee Spring Victoria, 12 ft. long, 6 ft. 6 in. wide, 7 ft. high.

Elliptic Spring Victoria, 11 ft. 6 in. long, 5 ft. 9 in. wide, 7 ft. high.

Shafts of 4-wheel carriages can always be taken off. In all cases they lift up.

Dog carts, shafts fixed, 12 ft. 6 in. long (if shafts go under another carriage, say 6 ft.), 5ft. 9 in. wide, 5 ft. 10 in. high.

STAIRCASES, PASSAGES, & EXITS.

L.B. ACT, 1894.—*Digest.*

Every public building and every building exceeding 125,000 c. ft. and constructed for use as a dwelling house for separate families, the floors of lobbies, corridors, passages, landings, and stairs, and their supports to be of fire-resisting materials.

Staircases in *tenement buildings* to be ventilated on every storey above ground floor by windows, skylights into open air, or other adequate means.

Principal staircase in dwelling houses to be ventilated by window into open air.

STAIRCASE, &C., IN PUBLIC BUILDINGS.—To be supported and enclosed by brick walls not less than 9 in. thick, and tread to be of uniform width. Passage, corridor, or staircase to buildings accommodating not more than 200 persons to be 3 ft. 6 in. wide, and for over 200 to be 4 ft. 6 in. wide at least. If over 400, width to be increased 6 in. for each 100 up to 9 ft. Where staircases are 6 ft. wide and upwards they are to be divided by a handrail.

Two staircases or corridors may be substituted, but each to be ⅔ the width required for one, and neither less than 3 ft. 6 in. wide.

Separate means of exit to be provided from each floor or gallery and directly communicating with the street or open space. Doors and barriers to open out and to have no outside bolts or locks.

STAIRS.

PROPORTION OF TREADS AND RISERS.

Width of tread.	Height of riser.	Width of tread.	Height of riser.
8 ins.	7½ ins.	12 ins.	5½ to 6 ins.
9 ,,	6¾ ,,	13 ,,	5 to 5½ ,,
10 ,,	6¼ ,,	14 ,,	4½ to 5 ,,
11 ,,	6 ,,	15 ,,	4 to 5½ ,,

Winders are dangerous. If unavoidable, they should be at least 9 in. wide, 15 in. from newel.

Height of handrail above nosing to risers should be 2 ft. 6 in. Ditto on landings, 2 ft. 10 in. to 3 ft.

Headway requires at least 7 ft. to 7 ft. 6 in. between levels of treads or 6 ft. 3 in. to 6 ft. 9 in. between raking line of stairs and soffit of landing over.

STANCHEONS + SECTION.

SAFE LOAD IN TONS.

NOTE.—The following table is based on metal 1 in. thick. The strength of stancheons of greater or less thickness of metal will vary directly in proportion to the sectional area of metal.

	Length in feet.						
Inches.	8	10	12	14	16	18	20
3 × 3 × 1	2·5	1·5	1·25				
4 × 4 × 1	5·0	3·5	2·75				
5 × 5 × 1	9·0	6·5	4·75				
6 × 6 × 1	14·0	10·0	8·0	6·0	5·0		
7 × 7 × 1	19·5	15·0	11·5	9·0	8·0	6·0	
8 × 8 × 1	26·0	22·0	16·0	13·0	10·5	9·0	7·5
9 × 9 × 1	33·	26·0	21·0	17·0	14·9	12·0	10·0
10 × 10 × 1	41·	33·0	27·0	21·	19·0	16·0	13·5
11 × 11 × 1	48·	39·0	33·5	28·	23·0	20·0	17·0
12 × 12 × 1	56·	48·0	40·0	33·5	28·5	24·0	21·0
13 × 13 × 1	65·	57·0	49·0	41·	35·0	30·0	26·0
14 × 14 × 1	73·	64·0	55·0	49·0	40·0	35·0	30·0
15 × 15 × 1	82·	73·0	64·0	56·0	48·0	43·	37·0

STEEL STANCHEONS.

Safe Load in Tons.

Section.

Size. Ins.	Weight per ft. lbs.	Length in Feet. 8 Tons	10 Tons	12 Tons	14 Tons	16 Tons	18 Tons	20 Tons
3 × 3	9	6·8	5·3	4·0				
4 × 3	10	7·5	5·8	4·4				
5 × 3	11	8·5	6·5	4·8				
5 × 4½	19	20·0	18·0	15·0	12·5	10·0		
6 × 5	24½	26·0	23·5	20·5	17·8	15·5		
7 × 4	17	16·5	13·8	11·5	9·5			
8 × 4	19	18·2	15·5	12·5	10·0			
8 × 5	27	24·0	22·0	19·3	16·5	14·3	12·0	
8 × 6	30	28·0	26·5	24·0	21·0	19·0	16·5	14·5
9 × 4	21	20·0	17·0	14·0	11·5			
9 × 7	52	60·0	57·0	53·5	50·0	45·5	42·0	36·5
10 × 4½	27½	27·8	24·6	20·5	17·2	14·5		
10 × 5	30	31·5	28·6	25·0	21·0	18·6	15·6	
10 × 6	42	39·5	36·5	34·0	30·5	27·0	23·5	20·5
12 × 5	37	36·0	31·5	28·0	24·0	21·0	17·5	
12 × 6	45	42·0	39·0	36·0	32·5	28·5	25·0	22·0
14 3/16 × 5½	48	52·5	48·0	43·5	38·0	33·2	28·5	24·5
15¾ × 6⅛	62	69·5	64·5	59·8	53·8	47·3	41·6	36·4

Section.

Size. Ins.	Weight per foot. lbs.	Length in Feet. 8 Tons	10 Tons	12 Tons	14 Tons	16 Tons	18 Tons	20 Tons
6 × 8	48	50·8	47·4	43·0	38·0	33·0	27·0	
7 × 8	54	59·0	56·0	52·4	48·5	43·5	30·0	
9 × 8	48	53·5	52·0	49·0	46·5	44·0	40·0	
9 × 9	60	67·0	65·5	62·5	60·0	57·0	53·0	49·0
11 × 9	74	84·8	83·0	79·2	75·5	72·0	67·5	62·5
13 × 9	67	77·0	75·0	71·5	68·7	65·5	61·0	56·5
13 × 10	81	96·8	94·6	92·0	89·0	84·5	80·5	76·0
15 3/16 × 10	84	98·0	95·5	93·0	90·0	85·5	82·0	77·0
16¾ × 12	105	124·0	121·0	119·0	117·0	112·5	109·0	104·0

Section.

Size. Ins.	Weight per foot. lbs.	Length in Feet. 8 Tons	10 Tons	12 Tons	14 Tons	16 Tons	18 Tons	20 Tons
7 × 12	93	102·5	96·0	90·6	83·5	74·5	67·0	60·0
8 × 10	74	82·0	79·0	74·5	70·5	65·5	60·5	54·0
9 × 12	98	111·0	108·5	103·5	99·5	94·5	80·5	82·0
9 × 14	112	121·0	118·0	113·0	108·0	103·0	96·5	89·0
11 × 12	105	120·8	118·0	115·5	112·0	108·0	103·5	99·5
11 × 14	136	159·5	155·8	153·0	147·5	143·0	136·5	131·6
13 × 16	148	166·0	165·0	161·0	159·0	154·5	150·5	145·6

STRAW, Weight of.

1 Truss = 36 lbs. avoir. of straw.
1 Load = 11 cwt. 64 lbs. ,,
1 ,, = 36 trusses.

STREETS.

COUNTRY ROADS.—Carriage way 24 to 30 ft. Fall from centre to side ⅜ of an inch to a foot. Footpaths 6 ft. each, with 1 in. fall towards the road.

Channel drains at sides of road draining into ditch outside footpaths or drain about 3 feet below surface.

Bed of road should have same fall as surface. The bottoming should consist of 8 to 12 inches of gravel, burnt ballast, chalk, broken bricks or hard core, formed in two layers. The surface should consist of 6 inches of broken granite, hardstone or pebbles. Pieces of broken granite, etc., should not be more than 2 inches for bottom layers and 1½ inches for surface. Each layer should be consolidated with a steam roller. Footpaths should have 4 ins. of ballast, and be finished with 2 to 3 inches of fine gravel or stone chips.

Paved roads require a concrete bottom 9 to 12 inches thick, and are finished with wood blocks, asphalte or granite setts.

L.B. ACT, 1894, AND L.C.C. BYE-LAWS.

—*Digest.*

Written notice must be given to superintending Architect L.C.C. at least 4 weeks before any new street is laid out, stating proposed level and width, and accompanied by a plan shewing local situation. See also "Applications to L.C.C."

Every new street, unless with consent in writing, must have at least two entrances of full width open from the ground up.

CARRIAGE ROADS, minimum width 40 feet, gradient not more than 1 in 20. Fall from centre not less than ⅜ of an inch to the foot, the kerb not less than four or more than 8 inches above channel of roadway, and the slope of footpath to the kerb to be ½ an inch to the foot if the path be unpaved, or not less than ¼ inch to the foot if paved.

FOOT ROADS. Minimum width 20 feet. Sanction may be refused to a street for foot traffic only, or conditions imposed. Old ways, if to be adapted for streets, to be widened to minimum of 20 feet from centre of roadway for carriage roads, and to full width of 20 feet for foot roads.

WIDE ROADS up to 60 feet may be required for carriage roads beyond 2 miles from St. Paul's, should the Council deem it expedient in the public interest.

COMPENSATION may be claimed for loss or injury (if any), by Council requiring more than the prescribed width. If amount not agreed within 2 months it can be summarily recovered. If claim exceed £50, then arbitration under Land Clauses Act. Council may waive their requirement within the 2 months, and pay cost of negotiations. The Council has power to allow less than the prescribed width, and to otherwise modify regulations, but any consent given not to affect the rights of adjoining owners. In the case of alteration or re-erection of buildings existing at the commencement of B. Act, 1894, or any time 7 years previously, plans shewing extent and structure, forecourt or other open space to be submitted to District Surveyor for his certificate of accuracy. Owner can then alter or re-erect them within the prescribed distance from centre of road to the extent of the old structure.

Houses for working class not to be erected or re-erected without the consent of the Council within the prescribed distance, to a height exceeding the distance between external front wall and opposite side of street.

No building to be converted into a dwelling within the prescribed distance so as to exceed such height. This does not apply to dwellings erected by local authorities previous to Building Act, nor affect powers of Railway Co.'s under special Acts.

Buildings existing or in course of erection within 2 years before July 22nd, 1878, may be re-erected or extended within any area which might then have been lawfully occupied.

TEMPORARY or SPECIAL BUILDINGS, HOARDINGS, &c.

L.B.A. 1894.—*Digest.*

Application to Council necessary with plans and particulars of construction. Temporary buildings of the warehouse class may not exceed 250,000 c ft. Copies of plans and particulars to be furnished to the District Surveyor.

License required for wooden structures, except hoardings enclosing vacant land and not exceeding 12 ft. in height, and of a movable or temporary nature required by builder during construction, alteration, or repair of building.

This does not apply within the city, or to piles or stores of loose timber, or to structures on the premises of Railway Cos., used for Railway purposes.

THATCH ROOFS.

Pitch 45°. Rye or oaten straw, 12 to 15 ins. thick, on fir laths 12 inches apart. Ash or hazel tetherings split in half. Fix with buckles.

TIE AND SUSPENSION RODS.

SAFE WEIGHT IN TONS FOR SQUARE RODS.

	½	¾	1	1¼	1½	1¾	2 ins.
Wrot. Iron	1¼	2¾	5	7¾	11¼	15¼	20 tons.
Steel	3⅝	6⅞	12½	19⅜	28½	38½	50 ,,
Oak or Fir	5/16	11/16	1¼	1⅞	2¾	3⅞	5 ,,

ROUND BARS are ⅘ the strength of square when the diameter is the same as the side of the square bar.

TIMBER.

DURABILITY.

IN WATER.—Acacia, Alder, Cedar, White Elm, Northern Pine, Oak, Plane (American), Teak.

IN DRY SITUATIONS. — Ash, Birch, Fir (Norway), Mahogany, Pine (red, white, and pitch), Poplar (grey and black), Sycamore, Walnut.

EXPOSED TO VARIABLE WEATHER.—Ash, Acacia, Beech, Cypress, Cedar, Greenheart, Hornbeam, Ironbark, Ironwood, Jarrah, Larch, Oak, Pine (Northern, Kauri, and Huon), Poplar (white), Sneezewood, Teak.

ANT RESISTING.—Cedar, Ebony, Greenheart, Huon Pine, Ironwood, Jarrah, Lignum Vitae, Pitch Pine, Quassia Wood, Sandal, Teak. The last does not resist ants if with yellow pine behind it.

Timber—*continued.*

WEIGHT OF THE PRINCIPAL TIMBERS PER C. FOOT.

Ash	43 to 47 lbs.
Beech	43 to 52 ,,
Birch	44 ,,
Deal	43 ,,
Elm (English)... ...	34 to 38 ,,
Fir (Baltic)	34 to 40 ,,
,, (Spruce)	32 ,,
Greenheart	58 to 72 ,,
Lignum Vitae	83 ,,
Mahogany, Honduras	35 ,,
,, Spanish	53 ,,
Oak, American ...	49 to 53 ,,
,, English ...	48 to 58 ,,
Pine, Pitch	41 to 58 ,,
,, Red	36 to 41 ,,
,, White	27 to 34 ,,
,, Yellow	28 to 32 ,,
Teak	41 to 54 ,,

Bulk Timber is the tree shorn of its branches and roughly squared.

Planks are 11 inches wide.
Deals ,, 9 ,, ,,
Battens ,, 7 ,, ,,

The term "batten" is also applied to any scantling up to 8" wide, and the term "plank" to any scantling 10" wide and upwards.

STANDARDS.

Petersburg, No.	120, 12 ft. × 11 ins. × 1½ ins.	=165 c. ft
London & Dublin	120, 12 ft. ,, 9 ins. ,, 3 ins.	=270 ,,
Christiania	120, 11 ft. ,, 9 ins. ,, 1¼ ins.	=103⅛ ,,
Quebec, long	120, 10 ft. ,, 11 ins. ,, 3 ins.	=275 ,,
,, short	100, 12 ft. ,, 11 ins. ,, 2½ ins.	=229⅛ ,,

120 deals=1 hundred.

40 c. feet of unhewn timber						229⅛
50 ,, square ,, ...						
600 Superficial feet of 1 in. planks or deals						
400	,,	,,	1½ in.	,,	,,	
300	,,	,,	2 in.	,,	,,	=1 load.
240	,,	,,	2½ in.	,,	,,	
200	,,	,,	3 in.	,,	,,	
170	,,	,,	3½ in.	,,	,,	
150	,,	,,	4 in.	,,	,,	

108 c. feet = 1 stack of wood.
128 ,, = 1 cord of wood.

1 square (100 ft. super.) of flooring requires:

No.			
12½ deals .	12	feet long for rough floors.	
16 battens	12	,,	,,
12½ deals .	12	,,	edges shot.
16½ battens	12	,,	,,
13 deals	12	,,	wrot and laid folding.
17 battens	12	,,	,, ,,
13½ deals .	12	,,	wrot and laid straight joint.
18 battens	12	,,	,, ,, ,,
14 deals .	12	,,	wrot ploughed and tongued.
19 battens	12	,,	,, ,, ,,

NOTE.—About 5 % is usually allowed per square for waste

SCANTLINGS OF FIR TIMBERS IN GENERAL USE AND NUMBER OF FEET RUN PER FOOT CUBE, IN PETERSBURG STANDARD.

Ins.	feet run per c. ft.	feet run per std.
1 × 6	24	3960
1 ,, 7	20·57	3394
1 ,, 11	13·09	2160
1¼ ,, 6	19·2	3168
1¼ ,, 7	16·44	2714
1¼ ,, 9	12·8	2112
1¼ ,, 11	10·47	1728
1½ ,, 9	10·66	1760
1½ ,, 11	8·72	1440
2 ,, 3	24	3960
2 ,, 4	18	2970
2 ,, 5	14·39	2376
2 ,, 6	12	1980
2 ,, 7	10·28	1607
2 ,, 8	9	1485
2 ,, 9	8	1320
2 ,, 11	6·54	1080
2½ ,, 5	11·51	1000
2½ ,, 6	9·6	1584
2½ ,, 7	8·22	1357
2½ ,, 8	7·2	1188
2½ ,, 9	6·4	1056
2½ ,, 11	5·23	864
3 ,, 3	16	2640
3 ,, 4	12	1980
3 ,, 4½	10·66	1760
3 ,, 6	8	1320
3 ,, 7	6 85	1131
3 ,, 8	6	600
3 ,, 9	5·33	880
3 ,, 11	4·36	720
4 ,, 6	6	900
4 ,, 7	5·14	848
4 ,, 9	4	600
4 ,, 11	3 17	540

Timber—*continued.*

BOARDS.

½ × 4	¾ × 7	1 × 9	1¼ × 11
½ ,, 5	¾ ,, 9	1 ,, 11	1½ ,, 4
½ ,, 6	¾ ,, 11	1¼ ,, 4	1½ ,, 5
½ ,, 7	1 ,, 4	1¼ ,, 5	1½ ,, 6
¾ ,, 4	1 ,, 5	1¼ ,, 6	1½ ,, 7
¾ ,, 5	1 ,, 6	1¼ ,, 7	1½ ,, 9
¾ ,, 6	1 ,, 7	1¼ ,, 9	1½ ,, 11

RELATIVE PRICE OF TIMBER PER FOOT CUBE AND PER PETERSBURG STANDARD.

Per ft.		Per Std.			Per ft.		Per Std.		
s.	d.	£	s.	d.	s.	d.	£	s.	d.
0	¼	0	3	5¼	1	1	8	18	9
0	½	0	6	10½	1	2	9	12	0
0	¾	0	10	3¾	1	3	10	6	3
0	1	0	13	9	1	4	11	0	0
0	2	1	7	6	1	5	11	13	9
0	3	2	1	3	1	6	12	7	6
0	4	2	15	0	1	7	13	1	3
0	5	3	8	9	1	8	13	15	0
0	6	4	2	6	1	9	14	8	9
0	7	4	16	3	1	10	15	2	6
0	8	5	10	0	1	11	15	16	3
0	9	6	3	9	2	0	16	10	0
0	10	6	17	6					
0	11	7	11	3					
1	0	8	5	0					

TURKISH BATH.

Three rooms. The Tepidarium temperature 140°, the Calidarium 180°, the Laconicum 250°, together with a combined cooling and dressing room and a shampooing and douche room.

The combined cooling and dressing room should be large, light, and airy, divided into bays, or divisions, 12 ft. by 12 ft., with space for four couches.

Shampooing and douche room with benches, wall basins, douches, sitz bath, etc., and plunge bath (20 ft. by 7 ft. and 3 ft. by 4 ft. 6 in. depth) adjacent and en route to the cooling room.

Internal walls, floors, and ceilings of hot rooms should have a cavity, and be faced with materials not affected by high temperature, and capable of constant cleaning with water.

Best materials for walls and ceilings glazed bricks, the ceiling arched or vaulted. Floors, rubbed York stone.

UNITING BUILDINGS.

L.B. ACT, 1894.—*Digest.*

Only allowed when adapted for one occupation. Openings in walls dividing buildings, which taken together would exceed 250,000 c. ft., are subject to the following conditions: Openings not to exceed 7 ft. in width, 8 ft. in height, and taken together not to exceed half the length of the wall. The floor jambs and heads to be of brick, stone, or iron, and closed by two wrought iron doors ¼ in. thick in the panel and the thickness of wall apart, fitted to rebated frames without woodwork, or by wrought iron sliding doors, or shutters fitted into grooved or rebated iron frames. If thickness of wall be not less than 24 in., or doors be at least 24 in apart, the opening may be 9 ft. 6 in. high.

VENTILATION.

Speed of incoming air should not exceed 2 ft. per second.

Each person requires 3,000 c. ft. of air per hour. If air be changed 3 or 4 times an hour, 750 to 1,000 c. ft. of space should be provided per head.

An ordinary gas burner vitiates as much air as four persons, and will carry off about 4,000 c. ft. of air per hour.

Air inlets should be from 1 to 1½ times the area of outlets, and should be distributed throughout an apartment. An upward direction should be given to incoming air, and it should be admitted above people's heads.

Each apartment should have separate ventilation, and means should be provided for carrying off the fumes of gas burners.

An ordinary fire-place affords an outlet for about 12,000 c. ft. per hour. Usual inlets are vertical tubes, a wide bottom rail to lower sash and high bead on inside of oak sill to admit air at meeting rail without draught, and stoves and fire-places with warm air chambers. There are also various means for warming and cleansing the air before admission.

Rule to find area of ventilating tubes in feet.—Multiply the number of people in the room by 4, and divide this product by 43 times the square root of the height of the tubes in feet.—*Tredgold.*

Table by Mr. Hood, showing cubic feet of air discharged per minute through a ventilator with an area of one square foot.

Height of Ventilator in Feet.	Difference between Temperature in Room and External Air.					
	5°	10°	15°	20°	25°	30°
10	116	164	200	235	260	284
15	142	202	245	284	318	324
20	164	232	285	330	368	404
25	184	260	318	368	410	450
30	201	284	347	403	450	493
35	218	306	376	436	486	531
40	235	329	403	465	518	570
45	248	348	427	493	551	605
50	260	367	450	518	579	635

VESTRIES.

Shell or niche in priest's vestry required for sacred vessels, and cupboards in priest's and choir's vestries for surplices, etc.

WALLS.

Requirements of the Incorporated Society for Promoting Building of Churches.

	Dressed Stone or Brick.	Rubble or Flint Faced.
Height up to 20 ft. Span „ 20 ft.	1 ft. 10½ in.	2 ft. 3 in.
Height up to 30 ft. Span over 20 ft.	2 ft. 3 in.	2 ft. 6 in.
Height over 30 ft.	2 ft. 7½ in.	3 ft.

Arcade walls measured from pavement; gable walls to half height of roof.

Where no buttress or span exceeds 24 ft., thickness of walls should be increased; walls of flint must have quoins of brick or stone.

Hollow walls, 3 in. space, perforated bonding bricks, 12 in. long 6 in. wide in a continuous row, with 18 in. to 2 ft. vertical distance apart (iron ties not admissible). In stone walls flag stones make a good bond. 12 in. of solid work under roof plate of 2 courses of bonding bricks and 2 courses of ordinary bricks. Or cavity, 1½ in. filled every foot in height with boiling asphalte or other damp-proof composition, but inserting no crossties; keep cavity clear of mortar and dry.

Walls—*continued.*

Construction of Walls under the L.B.A., 1894.—*Digest.*

No part of any wall to overhang more than 6 in. Projections must be solidly corbelled out, and the side of wall opposite to the corbelling be carried up vertically.

Walls not built of stone, or brick, or other hard and incombustible substances laid in horizontal courses, to be ½ thicker than prescribed in Schedule.

The thickness of any dwelling house wall built of material other than above specified, sufficient if as Schedule, or of such thickness as may be approved by the Council.

Hollow walls must have a wall one side of hollow of the full thickness prescribed.

Height of storeys are measured as follows:—Top storey from underside of floor joists to under surface of roof tie, or covering, or to half the vertical height of rafters or other support of the roof.

Other storeys from the underside of joists to the underside of joists of the storey over.

Height of external and party wall is measured from top of footings or of bressummer to the top of the topmost storey, whether the wall be carried to the full height or no; in the case of a gable without storeys in the roof, to half the height of the gable. Length of wall is from centre to centre of external, party, or cross walls.

Thickening walls only to be done after notice to District Surveyor, to be executed with brick or stone, in cement properly bonded to old work to the satisfaction of the District Surveyor.

Walls for Buildings not Public and not of the Warehouse Class.

Thickness of party and external walls.

U=Unlimited. R=Remainder.

Max. height in feet.	Max. length in feet.	
25	30	Two storeys only. 8½ inches throughout.
„	U	or over two storeys. Below top storey, 13 ins.; R., 8½ ins.
40	35	Below top storey, 13 ins.; R., 8½ ins.
„	U	One storey, 17½ ins.; rest below top, 13 ins.; R., 8½ ins.
50	30	One storey, 17½ ins.; rest below top, 13 ins.; R., 8½ ins.
„	45	Two storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 21½ ins.; next storey, 17½ ins.; R., 13 ins.
60	45	Two storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 21½ ins.; two storeys, 17½ ins.; R., 13 ins.
70	45	One storey, 21½ ins.; two storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 26 ins.; two storeys, 21½ ins.; rest below top two storeys, 17½ ins.; R., 13 ins.
80	45	One storey, 21½ ins.; next three storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 26 ins.; three storeys, 21½ ins.; rest below top two storeys, 17½ ins.; R., 13 ins.
90	45	One storey, 26 in.; one storey, 21½ ins.; next three storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 30½ ins.; one storey, 26 in.; next three storeys, 21½ ins.; rest below top two storeys, 17½ ins.; R., 13 ins.
100	45	One storey, 26 ins.; next two storeys, 21½ in.; next three storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 30½ ins.; next two storeys, 26 ins.; next three storeys, 21½ ins.; rest below top two, 17½ ins.; R., 13.
120	45	One storey, 30½ ins.; next two storeys, 26 ins.; next two storeys, 21½ ins.; next three storeys, 17½ ins.; R., 13 ins.
„	U	One storey, 34½ ins.; next two storeys, 30½ ins.; next two storeys, 26 ins.; next three storeys, 21½ ins.; rest below top two storeys, 17½ ins.; R., 13 ins.

If any storey exceeds in height sixteen times the thickness prescribed for its walls, the walls must be increased to $\frac{1}{16}$ of the height of the storey, and the thickness of the walls below must be increased to a like extent, but such additional thickness, as also the increase of thickness required in case of a wall

Walls—*continued.*

exceeding 60 ft. in height and 45 ft. in length, may be confined to PIERS, the collective width of which not to be less than one fourth the length of the wall.

No storey with walls less than 13 in. thick may exceed 10 ft. in height between the floor and the ceiling or tie of roof.

Walls for buildings of the warehouse class, *i.e.*, a warehouse, factory, manufactory, brewery, or distillery, and any other building exceeding in extent 150,000 c. ft., which is neither a public nor a domestic building.

U=Unlimited.

Max. height in ft.	Max. length in ft.	Thickness at base.	Max. height in ft.	Max. length in ft.	Thickness at base.
25	U	13 in.	70	45	21½ in.
30	45	13 „	„	U	*
„	U	17½ „	80	45	21½ in.
40	30	13 „	„	U	*
„	45	17½ „	90	45	26 in.
„	U	21½ „	„	U	*
50	30	17½ „	100	45	26 in.
„	45	21½ „	„	U	*
„	U	26 „	120	45	31 in.
60	45	21 „	„	U	*
„	U	26 „			

* These walls to be increased in thickness from the base to within 16 ft. from the top of the wall by 4½ in. Such increased thickness may be confined to piers, whose total width shall not be less than one fourth the length of the wall.

The thickness of the wall at the top, and for 16 ft. below, to be 13 in.; and the intermediate parts between base and such 16 ft. below top, to be built solid throughout the space between straight lines drawn on each side of the wall adjoining the thickness at the base to the thickness at 16 ft. below the top. In walls not exceeding 30 ft. high, the topmost storey may be 9 in. thick, provided the height of the storey does not exceed 10 ft.

If in any storey the thickness of the wall is less than $\frac{1}{16}$ part of the height, the wall to be increased in thickness to $\frac{1}{16}$ part, and the thickness of each external and party wall below that storey to be increased to a like extent, but such additional thickness may be confined to piers properly distributed, the collective widths amounting to one fourth of the length of the wall.

The thickness of any wall, if built of materials other than those before specified, may be as this schedule, or as approved by the County Council.

Cross Walls.

To be ⅔ thickness of external or party wall, but never less than 8½ in. To be deemed a cross wall it must be carried up to floor of the top storey, and in each storey the aggregate extent of recesses and openings must not exceed one half of face of wall.

When a cross wall becomes in any part an external wall, the wall is to be of the thickness of an external wall.

Recesses and Openings in External Walls.—Least thickness of back 8½ in. Area above ground floor not to exceed half total area.

Recesses in Party Walls.—Least thickness of back 13 in. Over every recess two ring brick arch, except recesses for lifts. Where recess not more than 4½ in., corbelling may be substituted for arches. Area not to exceed half total area of wall. Recess not to be within 13½ in. of inner face of external wall. Sanction to modification may be given.

Timber in External Walls.—Except bressummers, storey posts, and frames of doors and windows to shops, to be set back 4 in. from face. Loophole frames and frames of doors and windows may be flush. Council may exempt oak, teak, or other wood from this provision subject to satisfaction of the District Surveyor.

Bressummers.—4 in. bearing at least on piers or storey posts, in addition to bearing on walls. District Surveyor may require additional piers or supports. Ends of wood bressummers not to be nearer than 4 in. to centre of party wall. Metallic bressummers to have space at end for expansion equal to ¼ in. for every 10 ft. or part of 10 ft. of length.

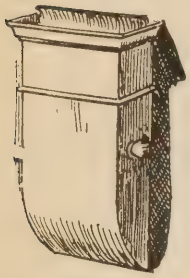
Plates and Bond Timbers.—Not to be in party walls. Ends of wood joists and beams bearing on party walls to be at least 4 in. from centre.

Templates or Corbels of Stone or Iron under bressummer in party walls to be full width of bressummers, and at least half the thickness of walls.

Highest Award for Ventilation, Paris Exhibition, 1900—Two Gold Medals and one Silver Medal.
Awarded the £50 Prize with Grand Diploma (only prize offered) at the International Ventilation Competition, London.

BOYLE'S AIR INLET BRACKETS.

Fitted with Regulating Valves & Deflecting Shields.

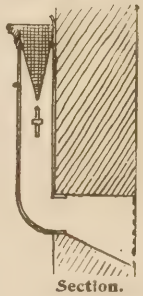


No. 245.

PRICE LIST.

									No. 245.
18 in.	by	8 in.	by	3 in.	...	...	£0	7	6
18	„	9	„	3½ „	...	..	0	9	0
20	„	10	„	4 „	...	...	0	10	6
24	„	12	„	5 „	...	...	0	15	0
24	„	12	„	6 „	...	...	0	16	6

Air Inlets 6d. to 2/- extra.



Section.

BOYLE'S AIR INLET PANELS.

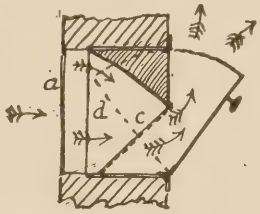
To Fit Flush with Wall.

No. 255.

PRICE LIST.

									No. 255.
9 in.	by	7 in.	by	6in.	...	...	£0	8	6
10	„	8	„	7 „	...	...	0	10	6
11	„	9	„	8 „	...	...	0	12	0
12	„	10	„	9 „	...	...	0	14	6

Air Filters 1/- extra.



Section.

WARNING TO THE TRADE.

MISLEADING REPRESENTATIONS & SUBSTITUTIONS.

Notice is hereby given that CRIMINAL PROCEEDINGS under the new Merchandise and Trade Marks Act, 1887 (50 and 51 Vic., ch. 28), will be instituted against any person or persons SUPPLYING, CAUSING TO BE SUPPLIED, OR REPRESENTING IN ANY WAY, any form of Ventilator, other than of our manufacture, to be a "BOYLE'S PATENT 'AIR-PUMP' VENTILATOR," also against any person or persons conniving at the adoption or use of such a Ventilator, or substituting or conniving at the substitution of any other Ventilator as one of "BOYLE'S PATENT 'AIR-PUMP' VENTILATORS," said Title being our REGISTERED TITLE AND TRADE MARK, applicable only to Ventilators manufactured by us, any infringement of which renders the person so infringing liable to FINE AND IMPRISONMENT for a term not exceeding two years, and to FORFEIT every falsely described or substituted Ventilator.

Proceedings will also be instituted against any person or persons supplying, causing to be supplied, or representing in any way any form of Ventilator other than of our manufacture to be a "BOYLE'S PATENT SELF-ACTING VENTILATOR," or a "BOYLE'S PATENT VENTILATOR,' or under any description only colourably differing from such description, or using any combination of such words in connection with the sale or trade in Ventilators not of our manufacture, also against any person or persons conniving at the adoption or use of such Ventilators.

ROBERT BOYLE & SON,
64, Holborn Viaduct, London.

IN THE HIGH COURT OF JUSTICE

MR. JUSTICE KEKEWICH

GRANTED A

PERPETUAL INJUNCTION

Restraining

The * * * * * VENTILATING COMPANY from selling or offering for sale as "BOYLE'S PATENT SELF-ACTING VENTILATOR," or under any description only colourably differing from that description, any ventilator not manufactured by the Plaintiffs (Messrs. ROBERT BOYLE & SON), and from using such words or any combination of such words in connection with the sale of or trade in ventilators not of the Plaintiff's manufacture.

A PERPETUAL INJUNCTION

in the same terms was also granted by Mr. Justice Kekewich against * * * * * Ventilator Maker.

ROBERT BOYLE & SON, VENTILATING ENGINEERS,

64, HOLBORN VIADUCT, LONDON, E.C., & 110, BOTHWELL ST., GLASGOW.

See Page 3 for Boyle's Patent "Air Pump" Ventilator.

Walls—*continued.*

Ends of timbers not allowed in party walls, may be on corbels or templates of iron, stone, or vitrified stoneware tailed in 8½ in. or supported to satisfaction of District Surveyor.

PARAPETS.—Where gutter of combustible material adjoins external wall, carry up wall as parapet 8½ in. thick, 1 ft. higher than gutter.

PARTY WALLS ABOVE ROOF.—In warehouse class to be thickness of top storey, other buildings 8½ in. thick above roof flat or gutter. In warehouse buildings exceeding 30 ft. high, 3 ft., and in other buildings, 15 in. high; measured at right angles to slope of roof or above highest part of flat or gutter. Also 12 in. higher and wider than any erection of combustible material within 4 ft., and also above any roof opposite and within 4 ft.

CHASES IN PARTY WALLS not to be wider than 14 in. or deeper than 4½ in., or to leave less than 8½ in. at back, and not to be within 7 ft. of any other chase on same side, or 13 in. of external wall.

MATERIALS.

BRICKS, good hard, sound, well burnt, same quality below surface of ground and above roofs. Cutters and malms may be used in arches over recesses and openings in or facings of external walls.

STONE free from vents, cracks, and sand holes, and laid on natural bed.

MORTAR of freshly burnt lime and clean sharp sand or grit, without earthy matter, 1 to 3.

CEMENT.—Portland or cement of equal quality (approved by District Surveyor), clean sharp sand or grit, 1 to 4.

Burnt ballast or broken brick may be substituted for sand if mixed with lime in a mortar mill.

DAMP COURSE.—To be approved by District Surveyor. To be not less than 6 in. below lowest floor.

External walls of habitable rooms or their appurtenances, or cellars which abut against earth, to be protected by approved impervious material.

COPINGS to parapet and party walls, hard brick on edge in cement, or other waterproof and fire-resisting material.

CONCRETE WALLS.—Portland cement and clean Thames or pit ballast, or gravel or broken brick, or stone or furnace clinkers, with clean sand. 1 cement, 2 sand, 3 ballast of size to pass through a 2 in. ring.

Proportions to be strictly observed, to be carefully mixed with clean water; if by hand, the material to be turned over dry before water is added. Walls to be carried up regularly and in parallel frames of equal height, surface of concrete filled in the frame to be left rough, to form a key for the next frame of concrete.

Thickness of concrete walls to at least equal the thicknesses prescribed for brick walls by the 12th section of the Building Act, 1855, and the first schedule.

Concrete party walls and chimney stacks above roof to be rendered with Portland cement.

WATER CLOSETS.

Should be well lighted and ventilated and always at least one external wall.

W.C. in men's quarters should be useable as urinals.

Framing of encased W.C.s should be fitted together with brass cups and screws for easy removal, and inside of framing should be painted, and floor under should be of impervious material.

Height of seat from floor 1 ft. 3 in., ditto for children 10 inches to 12 inches.

L.C.C. BYE LAWS.

At least one side an external wall abutting on street, or yard, or garden, or open space of 100 sq. ft. Not to be approached from room used for habitation, manufacture, or storage of food for man, or used as a factory, workshop, or workplace. When a W.C. abuts such a room, a dividing wall of brick or other solid material must extend from floor to ceiling.

Any W.C. with external entrance must have impervious floor, with fall to door of ½ in. to the foot. W.C. below surface of ground, and approached from area or other open space available for ventilation, least space 40 sq. ft., and width at least 5 ft. across, and not covered except by open grating. W.C. to have a window with at least 2 sq. ft. to open into external air. Additional ventilation by air brick, or shaft, or other effectual method.

WATER SERVICE.

SUPPLY REQUIRED FOR VARIOUS PURPOSES.

Domestic, 17 to 20 gallons per head per day.

Cottages with dry earth system, 10 gallons per head per day.

Hospitals, 25 gallons per head per day.

Barracks,	16	,,	,, ,,
Stables,	16	,,	per horse.
,,	10	,,	per 2 wheeled carriage.
,,	12	,,	per cart or waggon.
	16	,,	per 4 wheeled carriage.
Cattle houses	10	,,	per cow.
,, ,,	1	,,	per sheep or pig.

In manufacturing towns, 30 gallons per head of population.

Cisterns should hold 2 to 3 days' supply when service is intermittent, and one day's supply when constant.

Average rainfall, 20 inches per annum each square inch of surface.

1 inch of rainfall per yard super = about 4½ gallons. If rainwater is the source of supply, provide for 4 months.

WEIGHTS and MEASURES.

LINEAL MEASURE.

1 Palm = 3 inches.
1 Hand = 4 inches.
1 Span = 9 inches.
1 Foot = 12 inches.
1 Yard = 3 feet.
1 Ell = 45 inches or 5 quarter yards.
1 Pace = 5 feet.
1 Pole (perch or rod) = 16 ft. 6 in. = 5½ yards = 8 Cheshire yards.
1 Link = 7·92 inches.
1 Chain = 66 ft. = 100 links.
1 Furlong = 660 ft. = 10 chains.
1 Statute mile = 5,280 ft. = 1760 yards = 80 chains = 8 furlongs.
1 League = 3 miles.
1 Geographical mile or knot = 6282·66 ft.
1 Degree = 60 knots.
Circumference of earth = 360 degrees.
1 Admiralty mile or knot = 6080 ft.
1 Fathom = 6 ft.
1 Cable length = 720 ft. = 120 fathoms.

SQUARE MEASURE.

1 sq. foot = 144 square inches.
1 sq. yard = 9 sq. feet.
1 sq. pole = 30¼ sq. yards = 272¼ sq. feet.
1 sq. rood = 40 sq. poles.
1 acre = 4 sq. roods = 10 sq. chains = 4840 sq. yards.
1 hectare = 2·471 acres.
1 square mile = 640 acres.
1 yard of land = 30 acres.
1 hide of land = 100 acres.
1 barony = 40 hides.
1 chain wide = 8 acres per mile.
1 Irish acre = 7840 sq. yards.
1 Scotch acre = 6150 sq. yards.

CUBIC MEASURE.

1 c. foot = 1728 c. inches.
1 c. yard = 27 c. feet.

SCOTCH LINEAL MEASURE.

		Ells.	Yards.	Feet.	Ins.
8 furlongs	= 1 mile	= 1920	= 1984	= 5952	= 71424
10 chains	= 1 fur.	= 240	= 248	= 744	= 8928
4 falls	= 1 chain	= 24	= 24·8	= 74·4	= 892·8
6 ells	= 1 fall	=	= 6·2	= 18·6	= 223·2
1 ell	=				37·2

SCOTCH SQUARE MEASURE.

		Imp. sq. ft.	Yards.
1 sq. ell	=	9·5377	= 1·050744425
36 ,, ells	=	1 sq. fall	= 38·150709334
16 ,, falls	=	1 ,, chain	= 610·412789351
40 ,, falls	= 2½ chains	= 1 ,, rood	= 1526·03197337
4 ,, roods or 10 chains		= 1 acre	= 5760 ells = 6104·127893

LENGTHS OF A FOOT IN DIFFERENT COUNTRIES.

	Eng. Ins.		Eng. Ins.		Eng. Ins.
Spain	11·03	Denmark & Norway	12·35	Portugal	12·96
Holland	11·14			Russia	13·75
Sweden	11·69	Prussia	12·36	France, metre	39·37
America	12·00	Austria	12·45		

Weights and Measures—*continued.*

LENGTHS OF A MILE IN DIFFERENT COUNTRIES.

	Eng. Yds.		Eng. Yds.		Eng. Yds.
Russian	1100	Irish	2200	Swedish & Danish	7233
Italian	1467	Polish	4400	Hungarian	8630
English	1760	Spanish	5028	Norwegian	12400
Scotch	1984	German	5866	French League	3666

STATUTE AND CUSTOMARY MEASUREMENT OF PERCHES AND ACRES.

Statute Perch, 16·5 × 16·5 ft. = 272·25 sq. ft. or 4840 sq. yds. = 1 acre.

Devonshire & Somerset Perch, 15 × 15 ft. = 225 sq. ft. or 4000 sq. yds. = 1 acre.

Cornwall Perch, 18 × 18 ft. = 324 sq. ft. or 5760 sq. yds. = 1 acre.

Lancashire Perch, 21 × 21 ft. = 441 sq. ft. or 7840 sq. yds. = 1 acre.

Cheshire & Staffordshire Perch, 24 × 24 ft. = 576 sq. ft. or 10,240 sq. yds. = 1 acre.

Scotch Perch, 18·5 × 18·5 ft. = 342·25 sq. ft. or 6150 sq. yds. = 1 acre.

STATUTE AND CUSTOMARY MEASUREMENT OF LINKS, PERCHES, AND CHAINS.

	= 1 Link.	Links = 1 Perch.		Perches = 1 Chain of 100 links.	
Statute	7·92	25	16′.5	4	66′ 0″
Devonshire & Somerset	7·2	25	15′.0	4	60′ 0″
Cornwall	8·64	25	18′.0	4	72′ 0″
Lancashire & Irish	10·08	25	21′.0	4	84′ 0″
Cheshire & Stafford	11·52	25	24′.0	4	96′ 0″
Scotch	8·88	25	18′.5	4	74′ 0″

To reduce statute measure to customary, and *vice versa* :—

EXAMPLE.—In 25 acres, 2 roods, 20 perches statute, how many acres, etc., customary measure of 15 ft. to a perch?

25 acres, 2 roods, 20 perches = 4,100 perches.

Multiply 4,100 perches by the number of square feet in a statute perch, viz., 272·25, and divide by the number of square feet in the customary perch; and *vice versa* to find the statute measure when the customary measure is given.

In many old surveys and old plans, the contents are given in local or customary measure.

LIQUID AND CAPACITY MEASURE.

1 pint	= 4 gills	=	·020050	c. feet.
1 quart	= 2 pints	=	·040102	,,
1 gallon	= 4 quarts	=	·160408	,,
1 peck	= 2 gallons	=	·320816	,,
1 bushel	= 4 pecks	=	1·283264	,,
1 quarter	= 8 bushels	=	10·260112	,,
1 wey	= 5 quarters	=	51·330560	,,
1 last	= 2 weys	=	102·661120	,,

AVOIRDUPOIS WEIGHT.

1 drachm = 27⅓ grains.
1 oz. = 437½ grains = 16 drachms.
1 lb. = 16 oz.
1 qr. = 28 lbs.
1 cwt. = 112 lbs.
1 ton = 20 cwt.

TROY WEIGHT.

1 dwt. = 24 grains.
1 oz. = 20 dwt.
1 lb. = 12 oz.

DECIMAL EQUIVALENTS.

Lineal feet multiplied by	.00019	=	miles.
,, yards ,,	.000568	=	,,
Square inches ,,	.007	=	square feet.
,, yards ,,	.0002067	=	acres.
Circular inches ,,	.00546	=	square feet.
Cylindrical inches ,,	.0004546	=	cubic feet.
,, feet ,,	.02909	=	cubic yards.
Cubic inches ,,	.00058	=	cubic feet.
,, feet ,,	.03704	=	cubic yards.
,, ,, ,,	6.232	=	imperial gallons.
,, inches ,,	·003607	=	,, ,,
Cylindrical feet ,,	4.895	=	,, ,,
,, inches ,,	.002832	=	,, ,,
Cubic inches ,,	.263	=	lbs. avs. of cast iron.
,, ,, ,,	.281	=	,, wrought ,,
,, ,, ,,	.283	=	,, steel.
,, ,, ,,	.3225	=	,, copper
,, ,, ,,	.3037	=	,, brass.
,, ,, ,,	.26	=	,, zinc.
,, ,, ,,	.4103	=	,, lead.
,, ,, ,,	.2636	=	,, tin.
,, ,, ,,	.4908	=	,, mercury.

Weights and Measures—*continued.*

Cylindrical in. mult. by		.2065	=	lb. av. cast iron.
,, ,, ,,		.2160	=	,, wrought iron
,, ,, ,,		.2223	=	,, steel.
,, ,, ,,		.2533	=	,, copper.
,, ,, ,,		.2385	=	,, brass.
,, ,, ,,		.2042	=	,, zinc.
,, ,, ,,		.3223	=	,, lead.
,, ,, ,,		.207	=	,, tin.
,, ,, ,,		.3854	=	,, mercury.
Avoirdupois lbs.	,,	.009	=	cwts.
,, ,,	,,	.00045	=	tons.
1 Millimetre...	...	= .039 (about $\frac{1}{25}$) inch.		
1 Inch ...	...	= 2.54 (about $2\frac{1}{2}$) centimetres.		
1 Metre ...	...	= 3 ft. $3\frac{3}{8}$ in. (about $1\frac{1}{11}$ yards).		
1 Kilometre...	...	= 6214 (about $\frac{5}{8}$) mile.		
1 Mile ...	...	= 1.609 (about $1\frac{5}{8}$) kilometre.		
1 Square centimetre		= .155 square inch.		
1 ,, inch	...	= 6 451 (about $6\frac{1}{2}$) square c/m.		
1 ,, metre	...	= 1.196 (about $1\frac{1}{5}$) square yards, or $10\frac{3}{4}$ square feet.		
1 ,, yard	...	= .836 (about $\frac{5}{6}$) square metre.		
1 ,, foot	...	= .093 square metre.		
1 Acre ...	...	= 4000 square metres.		
1 Hectare ...	...	= 2.47 (about $2\frac{1}{2}$) acres.		
1 Cubic metre	...	= 1.31 (about $1\frac{1}{3}$) cubic yards.		
1 ,, yard	...	= .764 (about $\frac{3}{4}$) cubic metre.		
1 ,, foot...	.	= .0283 cubic metre.		
1 Litre ...	.	= .213 gallons (about $1\frac{3}{4}$ pts.).		
1 Gallon ..	...	= 4.54 (about $4\frac{1}{2}$) litres.		
1 Cubic foot ..	...	= 28.3 litres.		
1 Gramme ...	...	= .035 oz. or about $15\frac{1}{2}$ grs.		
1 Kilogramme	..	= 2.205 (about $2\frac{1}{4}$) lbs.		
1 Cwt. ..	...	= 50.8 (ab. 51) kilogrammes.		
1 Foot pound	...	= .138 (about $\frac{1}{7}$) kilogrammetres.		
1 Kilogrammetre	...	= 7.233 (abt. $7\frac{1}{4}$) foot pounds.		
1 Atmosphere (pressure)		= 14.70 pounds.		
1 Pound per square inch (pressure)	...	= .068 atmosphere.		
1 Pound per square inch (pressure)	...	= .07 kilos per square c/m.		

$\frac{1}{32}$ = ·03125	$\frac{21}{32}$ = ·65625	$\frac{9}{32}$ = ·2856
$\frac{1}{16}$ = ·0625	$\frac{11}{16}$ = ·6875	$\frac{3}{8}$ = ·4284
$\frac{3}{32}$ = ·09375	$\frac{23}{32}$ = ·71875	$\frac{4}{7}$ = ·5696
$\frac{1}{8}$ = 125	$\frac{3}{4}$ = ·75	$\frac{5}{7}$ = ·714
$\frac{5}{32}$ = ·15625	$\frac{25}{32}$ = ·78125	$\frac{6}{7}$ = ·8586
$\frac{3}{16}$ = ·1875	$\frac{13}{16}$ = ·8125	$\frac{1}{9}$ = ·1111 or ·1
$\frac{7}{32}$ = ·21875	$\frac{27}{32}$ = ·84375	$\frac{2}{9}$ = ·22222 or ·2
$\frac{1}{4}$ = ·25	$\frac{7}{8}$ = ·875	$\frac{4}{9}$ = ·44444 or ·4
$\frac{9}{32}$ = ·28125	$\frac{29}{32}$ = ·90625	$\frac{5}{9}$ = ·5555 or ·5
$\frac{5}{16}$ = ·3125	$\frac{15}{16}$ = ·9375	$\frac{7}{9}$ = ·77777 or ·7
$\frac{11}{32}$ = ·34375	$\frac{31}{32}$ = ·96875	$\frac{8}{9}$ = ·88888 or ·8
$\frac{3}{8}$ = ·375	$\frac{1}{3}$ = 3333 or ·3	$\frac{1}{10}$ = ·1
$\frac{13}{32}$ = ·40625	$\frac{2}{3}$ = ·6666 or ·6	$\frac{1}{5}$ = ·3
$\frac{7}{16}$ = ·4375	$\frac{1}{5}$ = ·2	$\frac{7}{10}$ = ·7
$\frac{15}{32}$ = ·46875	$\frac{2}{5}$ = ·4	$\frac{9}{10}$ = ·9
$\frac{1}{2}$ = ·5	$\frac{3}{5}$ = ·6	$\frac{1}{12}$ = ·0833
$\frac{17}{32}$ = ·53125	$\frac{4}{5}$ = ·8	$\frac{5}{12}$ = ·4166
$\frac{9}{16}$ = ·5625	$\frac{1}{6}$ = ·166	$\frac{7}{12}$ = ·5833
$\frac{19}{32}$ = ·59375	$\frac{5}{6}$ = ·83	$\frac{11}{12}$ = ·9166
$\frac{5}{8}$ = ·625	$\frac{1}{7}$ = ·1428	

Squares, Cubes, Square Roots, and Cube Roots.

No.	Square.	Cube.	Sq. Root.	Cube Root.
$\frac{1}{8}$	·015	·0019	·353	·5
$\frac{1}{4}$	·062	·0156	·500	·629
$\frac{3}{8}$	·140	·0527	·612	·721
$\frac{1}{2}$	·250	·1250	·707	·793
$\frac{5}{8}$	·390	·244	·790	·855
$\frac{3}{4}$	·562	·421	·866	·908
$\frac{7}{8}$	·765	·669	·935	·956
1	1	1	1·000	1
$1\frac{1}{8}$	1 265	1·423	1·060	1·04
$1\frac{1}{4}$	1 562	1·953	1·118	1·07
$1\frac{3}{8}$	1·890	2·599	1·172	1·11
$1\frac{1}{2}$	2 250	3·375	1·224	1·14
$1\frac{5}{8}$	2 610	4·291	1·274	1·17
$1\frac{3}{4}$	3·062	5·359	1·322	1·20
$1\frac{7}{8}$	3 515	6·591	1·369	1·23
2	4	8	1·414	1·25
$2\frac{1}{8}$	4·515	9·595	1·457	1·28
$2\frac{1}{4}$	5·062	11·390	1·500	1·30
$2\frac{3}{8}$	5·640	13·396	1·541	1·33
$2\frac{1}{2}$	6 250	15·625	1·581	1·35
$2\frac{5}{8}$	6·890	18·037	1·620	1·37
$2\frac{3}{4}$	7·562	20·796	1·658	1·40
$2\frac{7}{8}$	8·265	23·763	1·695	1·42
3	9	27	1·732	1·44
$3\frac{1}{8}$	9·765	30·517	1·767	1·46
$3\frac{1}{4}$	10·562	34·328	1·802	1·48
$3\frac{3}{8}$	11·390	38·443	1·837	1·50
$3\frac{1}{2}$	12·250	42·875	1·870	1·51
$3\frac{5}{8}$	13·140	47·634	1·903	1·53
$3\frac{3}{4}$	14·062	52 734	1·936	1·55
$3\frac{7}{8}$	15·015	58·185	1·968	1·57
4	16	64	2	1·58
$4\frac{1}{4}$	18·062	76·765	2·061	1·61
$4\frac{1}{2}$	20 250	91·125	2 121	1·65
$4\frac{3}{4}$	22·562	107·171	2 179	1·68
5	25	125	2 236	1·71

Weights and Measures—*continued.*

$5\frac{1}{4}$	27·562	144·703	2·291	1·73
$5\frac{1}{2}$	30·250	166·375	2 345	1·76
$5\frac{3}{4}$	33·062	190·109	2 397	1·79
6	36	216	2 449	1·81
$6\frac{1}{4}$	39·062	244·140	2 500	1·84
$6\frac{1}{2}$	42·250	274·625	2·549	1·86
$6\frac{3}{4}$	45·562	307·546	2·598	1·88
7	49	343	2·645	1·91
$7\frac{1}{4}$	52·562	381·078	2·692	1·93
$7\frac{1}{2}$	56·250	421·875	2·738	1·95
$7\frac{3}{4}$	60·062	465·484	2 783	1·97
8	64	512	2 828	2
$8\frac{1}{4}$	68·062	561·515	2 872	2·02
$8\frac{1}{2}$	72·250	614·125	2·915	2·04
$8\frac{3}{4}$	76·562	669·921	2 958	2·06
9	81	729	3	2·08
$9\frac{1}{4}$	85·562	791·453	3 041	2·09
$9\frac{1}{2}$	90·25	857·375	3·082	2·11
$9\frac{3}{4}$	95·062	926·859	3·122	2·13
10	100	1000	3·162	2·15
$10\frac{1}{4}$	105·062	1076·89	3 201	2·17
$10\frac{1}{2}$	110·250	1157·625	3·240	2·18
$10\frac{3}{4}$	115·562	1242·296	3 278	2 20
11	121	1331	3·316	2·22
$11\frac{1}{4}$	126·562	1423·828	3·354	2·24
$11\frac{1}{2}$	132 250	1520·875	3·391	2·25
$11\frac{3}{4}$	138·062	1622·234	3·427	2·27
12	144	1728	3·464	2·28

Relative Cost of Tons, Cwts., Qrs., etc. when the price per lb. is given.

Per lb. s. d.	Per 14 lb. £ s. d.	Per qr. £ s. d.	Per cwt. £ s. d.	Per ton. £ s. d.
0 0½	0 0 3½	0 0 7	0 2 4	2 6 8
0 0¾	0 0 7	0 1 2	0 4 8	4 13 4
0 0¾	0 0 10½	0 1 9	0 7 0	7 0 0
0 1	0 1 2	0 2 4	0 9 4	9 6 8
0 1¼	0 1 5½	0 2 11	0 11 8	11 13 4
0 1½	0 1 9	0 3 6	0 14 0	14 0 0
0 1¾	0 2 0½	0 4 1	0 16 4	16 6 8
0 2	0 2 4	0 4 8	0 18 8	18 13 4
0 2¼	0 2 7½	0 5 3	1 1 0	21 0 0
0 2½	0 2 11	0 5 10	1 3 4	23 6 8
0 2¾	0 3 2½	0 6 5	1 5 8	25 13 4
0 3	0 3 6	0 7 0	1 8 0	28 0 0
0 3¼	0 3 9½	0 7 7	1 10 4	30 6 8
0 3½	0 4 1	0 8 2	1 12 8	32 13 4
0 3¾	0 4 4½	0 8 9	1 15 0	35 0 0
0 4	0 4 8	0 9 4	1 17 4	37 6 8
0 4¼	0 4 11½	0 9 11	1 19 8	39 13 4
0 4½	0 5 3	0 10 6	2 2 0	42 0 0
0 4¾	0 5 6½	0 11 1	2 4 4	44 6 8
0 5	0 5 10	0 11 8	2 6 8	46 13 4
0 5¼	0 6 1½	0 12 3	2 9 0	49 0 0
0 5½	0 6 5	0 12 10	2 11 4	51 6 8
0 5¾	0 6 8½	0 13 5	2 13 8	53 13 4
0 6	0 7 0	0 14 0	2 16 0	56 0 0
0 6¼	0 7 3½	0 14 7	2 18 4	58 6 8
0 6½	0 7 7	0 15 2	3 0 8	60 13 4
0 6¾	0 7 10½	0 15 9	3 3 0	63 0 0
0 7	0 8 2	0 16 4	3 5 4	65 6 8
0 7¼	0 8 5½	0 16 11	3 7 8	67 13 4
0 7½	0 8 9	0 17 6	3 10 0	70 0 0
0 7¾	0 9 0½	0 18 1	3 12 4	72 6 8
0 8	0 9 4	0 18 8	3 14 8	74 13 4
0 8¼	0 9 7½	0 19 3	3 17 0	77 0 0
0 8½	0 9 11	0 19 10	3 19 4	79 6 8
0 8¾	0 10 2½	1 0 5	4 1 8	81 13 4
0 9	0 10 6	1 1 0	4 4 0	84 0 0
0 9¼	0 10 9½	1 1 7	4 6 4	86 6 8
0 9½	0 11 1	1 2 2	4 8 8	88 13 4
0 9¾	0 11 4½	1 2 9	4 11 0	91 0 0
0 10	0 11 8	1 3 4	4 13 4	93 6 8
0 10¼	0 11 11½	1 3 11	4 15 8	95 13 4
0 10½	0 12 3	1 4 6	4 18 0	98 0 0
0 10¾	0 12 6½	1 5 1	5 0 4	100 6 8
0 11	0 12 10	1 5 8	5 2 8	102 13 4
0 11¼	0 13 1½	1 6 3	5 5 0	105 0 0
0 11½	0 13 5	1 6 10	5 7 4	107 6 8
0 11¾	0 13 8½	1 7 5	5 9 8	109 13 4
1 0	0 14 0	1 8 0	5 12 0	112 0 0
1 0¼	0 14 3½	1 8 7	5 14 4	114 6 8
1 0½	0 14 7	1 9 2	5 16 8	116 13 4
1 0¾	0 14 10½	1 9 9	5 19 0	119 0 0
1 1	0 15 2	1 10 4	6 1 4	121 6 8
1 1¼	0 15 5½	1 10 11	6 3 8	123 13 4
1 1½	0 15 9	1 11 6	6 6 0	126 0 0
1 1¾	0 16 0½	1 12 1	6 8 4	128 6 8
1 2	0 16 4	1 12 8	6 10 8	130 13 4
1 2¼	0 16 7½	1 13 3	6 13 0	133 0 0
1 2½	0 16 11	1 13 10	6 15 4	135 6 8
1 2¾	0 17 2½	1 14 5	6 17 8	137 13 4
1 3	0 17 6	1 15 0	7 0 0	140 0 0
1 3¼	0 17 9½	1 15 7	7 2 4	142 6 8
1 3½	0 18 1	1 16 2	7 4 8	144 13 4
1 3¾	0 18 4½	1 16 9	7 7 0	147 0 0
1 4	0 18 8	1 17 4	7 9 4	149 6 8
1 4¼	0 18 11½	1 17 11	7 11 8	151 13 4
1 4½	0 19 3	1 18 6	7 14 0	154 0 0
1 4¾	0 19 6½	1 19 1	7 16 4	156 6 8
1 5	0 19 10	1 19 8	7 18 8	158 13 4
1 5¼	1 0 1½	2 0 3	8 1 0	161 0 0
1 5½	1 0 5	2 0 10	8 3 4	163 6 8
1 5¾	1 0 8½	2 1 5	8 5 8	165 13 4
1 6	1 1 0	2 2 0	8 8 0	168 0 0
1 6¼	1 1 3½	2 2 7	8 10 4	170 6 8
1 6½	1 1 7	2 3 2	8 12 8	172 13 4
1 6¾	1 1 10½	2 3 9	8 15 0	175 0 0
1 7	1 2 2	2 4 4	8 17 4	177 6 8
1 7¼	1 2 5½	2 4 11	8 19 8	179 13 4
1 7½	1 2 9	2 5 6	9 2 0	182 0 0
1 7¾	1 3 0½	2 6 1	9 4 4	184 6 8

Weights and Measures—*continued.*

1 8	1 3 4	2 6 8	9 6 8	186 13 4
1 8¼	1 3 7½	2 7 3	9 9 0	189 0 0
1 8½	1 3 11	2 7 10	9 11 4	191 6 8
1 8¾	1 4 2½	2 8 5	9 13 8	193 13 4
1 9	1 4 6	2 9 0	9 16 0	196 0 0
1 9¼	1 4 9½	2 9 7	9 18 4	198 6 8
1 9½	1 5 1	2 10 2	10 0 8	200 13 4
1 9¾	1 5 4½	2 10 9	10 3 0	203 0 0
1 10	1 5 8	2 11 4	10 5 4	205 6 8
1 10¼	1 5 11½	2 11 11	10 7 8	207 13 4
1 10½	1 6 3	2 12 6	10 10 0	210 0 0
1 10¾	1 6 6½	2 13 1	10 12 4	212 6 8
1 11	1 6 10	2 13 8	10 14 8	214 13 4
1 11¼	1 7 1½	2 14 3	10 17 0	217 0 0
1 11½	1 7 5	2 14 10	10 19 4	219 6 8
1 11¾	1 7 8½	2 15 5	11 1 8	221 13 4
2 0	1 8 0	2 16 0	11 4 0	224 0 0

WELLS.

Contents in Gallons per foot of depth.

Ft.	Ins.		Ft.	Ins.	
3	0 dia.	44 gallons.	6	0 dia.	176 gallons.
3	6 ,,	60 ,,	7	0 ,,	240 ,,
4	0 ,,	78 ,,	8	0 ,,	314 ,,
4	6 ,,	99 ,,	9	0 ,,	397 ,,
5	0 ,,	123 ,,	10	0 ,,	490 ,,

WIRE GAUGE.

Imperial Standard Wire Gauge.

Table drawn up by the Iron and Steel Wire Manufacturers' Association, showing the lengths, weights, and breaking strains of iron wire under the new rules which came into force March 1, 1884.

Size of Wire Gauge.	Diam. in.	Diam. mm.	Sect. Area in Sq. in.	Weight of 100 Yds. lb.	Weight of Mile. lb.	Length of cwt. yds.	Break. strains. Annealed lb.	Break. strains. Bright lb.	Size of Wire Gauge.
7/0	·500	12·7	·1963	193·4	3404	58	10,470	15,700	7/0
6/0	·464	11·8	·1691	166·5	2930	67	9,017	13,525	6/0
5/0	·432	11	·1466	144·4	2541	78	7,814	11,725	5/0
4/0	·400	10·2	·1257	123·8	2179	91	6,702	10,052	4/0
3/0	·372	9·4	·1087	107·1	1885	105	5,796	8,694	3/0
2/0	·348	8·8	·0951	93·7	1649	120	5,072	7,608	2/0
1	·324	8·2	·0824	81·2	1429	138	4,397	6,595	1/0
1	·300	7·6	·0707	69·6	1225	161	3,770	5,655	1
2	·276	7	·0598	58·9	1037	190	3,190	4,785	2
3	·252	6·4	·0499	49·1	864	228	2,660	3,990	3
4	·232	5·9	·0423	41·6	732	269	2,254	3,381	4
5	·212	5·4	·0353	34·8	612	322	1,883	2,824	5
6	·192	4·9	·0290	28·5	502	393	1,544	2,316	6
7	·176	4·5	·0243	24	422	467	1,298	1,946	7
8	·160	4·1	·0201	19·8	348	566	1,072	1,608	8
9	·144	3·7	·0163	16	282	700	869	1,303	9
10	·128	3·3	·0129	12·7	223	882	687	1,030	10
11	·116	3	·0106	10·4	183	1,077	564	845	11
12	·104	2·6	·0085	8·4	148	1,333	454	680	12
13	·092	2·3	·0066	6·5	114	1,723	355	532	13
14	·080	2	·0050	5	88	2,240	268	402	14
15	·072	1·8	·0041	4	70	2.800	218	326	15
16	·064	1·6	·0032	3·2	56	3,500	172	257	16
17	·056	1·4	·0025	2·4	42	4,667	131	197	17
18	·048	1·2	·0018	1·8	32	6,222	97	145	18
19	·040	1	·0013	1·2	21	9,333	67	100	19
20	·036	0·9	·0010	1	18	11,200	55	82	20

Warrington Wire Gauge.

Mk. No.	Size. Inch.	Mk. No.	Size. Inch.	Mk. No.	Size. Inch.
7/0	1/2	4	·229	13	·090
6/0	15/32	5	·209	14	·079
5/0	7/16	6	·191	15	·069
4/0	13/32	7	·174	16	·0625, or $\frac{1}{16}$
3/0	3/8	8	·159	17	·053
2/0	11/32	9	·146	18	·047
0	·326	10	·133	19	·041
1	·300	$10\frac{1}{2}$	·125, or $\frac{1}{8}$	20	·036
2	·274	11	·117	21	·0315, or $\frac{1}{32}$
3	·25, or $\frac{1}{4}$	12	·10, or $\frac{1}{10}$	22	·028

B. W. G. for Silver and Gold.

No.	Thickness. inches.	No.	Thickness. inches.	No.	Thickness. inches.
1	·004	13	·036	25	·095
2	·005	14	·041	26	·103
3	·008	15	·047	27	·113
4	·010	16	·051	28	·120
5	·013	17	·057	29	·120
6	·013	18	·061	30	·126
7	·015	19	·064	31	·133
8	·016	20	·067	32	·143
9	·019	21	·072	33	·145
10	·024	22	·074	34	·148
11	·029	23	·077	35	·15[illegible]
12	·034	24	·08[illegible]	36	·16[illegible]

Wire Gauge—*continued.*

Whitworth's Wire Gauge in Decimals of an Inch.

Mark.	Size.	Mark.	Size.	Mark.	Size.
1	·001	24	·024	110	·110
2	·002	26	·026	120	·120
3	·003	28	·028	135	·135
4	·004	30	·030	150	·150
5	·005	32	·032	165	·165
6	·006	34	·034	180	·180
7	·007	36	·036	200	·200
8	·008	38	·038	220	·220
9	·009	40	·040	240	·240
10	·010	45	·045	260	·260
11	·011	50	·050	280	·280
12	·012	55	·055	300	·300
13	·013	60	·060	325	·325
14	·014	65	·065	350	·350
15	·015	70	·070	375	·375
16	·016	75	·075	400	·400
17	·017	80	·080	425	·425
18	·018	85	·085	450	·450
19	·019	90	·090	475	·475
20	·020	95	·095	500	·500
22	·022	100	·100		

Wire Gauge—*continued.*

Wire: Weight in lbs. per Lineal Foot. Lbs. per Lineal Foot.

B.W. Gauge.	Iron.	Steel.	Brass.	Copper.
0	·3058	·3092	·3343	·3517
1	·2575	·2604	·2815	·2962
2	·2134	·2157	·2332	·2454
3	·1802	·1822	·1970	·2072
4	·1511	·1528	·1652	·1738
5	·1246	·1259	·1362	·1433
6	·1145	·1157	·1251	·1316
7	·0925	·0935	·1011	·1064
8	·0729	·0737	·0797	·0838
9	·0660	·0668	·0722	·0759
10	·0496	·0502	·0543	·0571
11	·0413	·0418	.0452	·0475
12	·0314	·0318	·0343	·0361
13	·0234	·0236	·0255	·0269
14	·0169	·0171	·0185	·0195
15	·0137	·0139	·0150	·0158
16	·0105	·0106	·0115	·0121
17	·0080	·0081	·0087	·0092
18	·0061	·0062	·0067	·0070
19	·0047	·0047	·0051	·0054
20	·0032	·0033	·0034	·0037
21	·0027	·0028	·0019	·0022

WORKHOUSES.

Economy of space has to be studied, so special attention to ventilation. Allow minimum space per occupant in dormitories 300 c. ft. and 25 ft. super.

ZINC.

Approximate Weight of Thicknesses per square foot.

Gauge.	lbs.	Ounces.	Drachms.
0	0	10	5
10	0	11	7
11	0	13	5
12	0	15	2
13	1	0	15
14	1	2	12
15	1	5	12
16	1	8	12

Usual sizes of sheets 7′ 0″ × 3′ 0″ and 8′ 0″ × 3′ 0″.

Sheets are made in gauges from 1 to 26, and sold in casks of about 10 cwt. Nos. 9, 10, 11, and 12 are used in inferior or temporary buildings, and Nos. 13, 14, 15, and 16 in those of better class. For best building lead or copper.

Architectural Societies and Information for Students.

The Royal Institute of British Architects.

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The Royal Institute consists of three classes of subscribing Members—namely, Fellows, Associates, and Honorary Associates; and two classes of non-subscribing Members—namely, Honorary Fellows and Honorary Corresponding Members.

Fellows are Architects who have attained the age of thirty years, and who have been engaged as principals for at least seven successive years in the practice of Architecture. After March, 1892, the Royal Institute will have power to declare that every person desiring to be admitted a Fellow shall be required to have passed such an Examination or Examinations as may be directed by the Royal Institute. But in special cases the Council will have power to dispense with such Examination or Examinations.

Associates are persons engaged in the study or practice of Architecture who have attained the age of twenty-one years. Every person desiring to be admitted an Associate must pass or have passed such Examination or Examinations as may be directed by the Royal Institute.

Honorary Associates are persons not professionally engaged in practice as Architects, who, by reason of their position or of their eminence in art, science, or literature, or their experience in matters relating to Architecture, may appear to the Council to be able to render assistance in promoting the objects of the Royal Institute.

Honorary Fellows are Members of the Royal Family, persons who hold or have held high office in the Government of the United Kingdom, or of India or of any Colony or Dependency of the United Kingdom, and other illustrious or distinguished persons, to be selected as the Royal Institute may from time to time determine.

Honorary Corresponding Members are persons, not being British subjects, and not residing within the United Kingdom, nor practising as Architects in India or in any Colony or Dependency of the United Kingdom, who by reason of their eminence as Architects or as Archæologists, or for artistic, scientific, or literary acquirements, may appear to the Council able to render assistance in promoting the objects of the Royal Institute.

ENTRANCE FEES AND SUBSCRIPTIONS.

(*a*) The entrance fee of each Fellow is five guineas, and his annual subscription four guineas. In the case of a Fellow elected from the Class of Associates his entrance fee is two guineas.

(*b*) The entrance fee of each Associate is three guineas, his annual subscription two guineas.

(*c*) The entrance contribution of each Honorary Associate is two guineas, and his annual subscription two guineas.

THE PROGRESSIVE EXAMINATIONS.

Under the authority afforded by clauses 20 and 21 of the Charter, the Institute has established a system of Progressive Examinations, consisting of (1) a Preliminary Examination, (2) an Intermediate Examination, to be passed prior to entering for the Final or Qualifying Examination in Architecture, and (3) Final or Qualifying Examination. The Preliminary Examination (Written and Graphic) is to test the general knowledge of Candidates in ordinary subjects of school education, and subjects of a technical character, such as Elementary Mechanics and Physics, Geometrical Drawing, Perspective and Freehand Drawing from the Round. A youth who passes the Preliminary Examination is at once registered as a *Probationer* of the Royal Institute of British Architects.

The Intermediate Examination (Written, Graphic and Oral) is to test the Probationer's progress in Architecture while engaged as pupil, improver, or assistant in an office. During the two years following his admission as a Probationer, he has to prepare nine sheets of carefully finished drawings with an illustrated memoir. If these "Testimonies of Study" are approved, and if he afterwards pass the Intermediate Examination, he is admitted a *Student* of the Royal Institute of British Architects.

The Final Examination (Written, Graphic and Oral) is to test the student's further progress. The work to be done by the Student, and submitted by him before entering, necessitates good draughtsmanship and an acquaintance with ancient edifices, or other well-known executed works, to be gained by actual measurement of them. It requires a knowledge of design and of the practical details of construction, which latter can be best obtained by personal experience of buildings in progress. The "Testimonies of Study," with the concurrent work of preparation for this Examination, occupy the Student not less than three years; and no one can be admitted to it under the age of twenty-one, although in most cases it will probably be found desirable that he should have attained the age of at least twenty-two before presenting himself. If the *Student* pass, he becomes qualified for candidature as *Associate* of the Royal Institute of British Architects, and receives notification of the fact.

In the event of any Student failing to pass the final examination within four years of having passed the Intermediate, his name will be removed from the Register of Students, unless the Council are satisfied that good cause exists for allowing it to remain.

*** The annual Calendar of the Royal Institute contains the Questions set at *The Examination in Architecture*, together with Advice to Candidates desiring to enter for the Examinations, and the Regulations and Programme of the same. It also contains a list of Books of Reference, selected with a view to the Examination.

This Calendar, and particulars and forms of application, &c., can be obtained at the office of the Royal Institute of British Architects, 9 Conduit Street, W.

The Architectural Association, London.

TELEPHONE No. 820, VICTORIA.

CONSTITUTED 1847.

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The objects of the Architectural Association are to promote and afford facilities for the study of architecture, and to serve as a medium of friendly communication between the members and others interested in the progress of architecture. These objects are carried out by means of papers and discussions, a Lending Library, a monthly publication, "Architectural Association Notes," instruction to Students in a Studio, Lectures, Classes and School of Design, visits to ancient and modern buildings. Prizes, Medals, Scholarships, and a Travelling Studentship are open to competition amongst members. The Association now numbers over 1,665 members. The entrance fee is Two Guineas, and the annual subscription One Guinea.

Ordinary meetings are held on alternate Fridays between October and May, at No. 18 Tufton Street, Westminster, at 7.30 p.m.

The Association Sketch Book is published monthly, the subscription for which is One Guinea per volume.

Competent lecturers give instruction in the history of Architecture, Elementary Physics, Stresses and Strains, Construction, Colour Decoration, Quantity Surveying, Specifications, Professional Practice, &c. The Royal Architectural Museum is open to the public free, daily, from 10 a.m. to 4 p.m.

The Society of Architects.

(FOUNDED 1884. INCORPORATED 1893.)

STAPLE INN BUILDINGS (South), HOLBORN, LONDON, W.C.

Telegrams—"Crypt, London." Telephone—1852 Holborn.

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EXTRACT FROM ARTICLES UNDER WHICH THE SOCIETY IS INCORPORATED.

Members shall be persons who are or have been directly engaged professionally in Architectural pursuits, and shall be above twenty-one years of age.

Election to membership shall be open only to Candidates approved by the Council, who have passed a qualifying examination for membership of the Society, or any one of such examinations as the Council shall from time to time select in lieu thereof, with the following exceptions:—

(*a*) Candidates who are not less than 28 years of age and have been directly engaged professionally in architectural pursuits, as principals, for at least seven years.

(*b*) Candidates who are not less than 28 years of age, and have been directly engaged professionally in architectural pursuits, as assistants, or as assistants and principals, for at least ten years.

Candidates for election as Members or Students are to fill in the form of nomination pertaining to the class into which they seek admission. The form must in the cases of applicants for Membership be signed by themselves and by two Members, and shall be accompanied by a letter from one of such Members testifying as to personal knowledge of the candidate's qualifications and works. If the application is for Studentship the form must be signed by the Candidate and by a Member or Student of the Society. In the event of any Candidate for Membership not being acquainted with two members, special application shall be made to the Council, or, if the application is for Studentship, a letter of recommendation from the Candidate's principal must accompany the form.

The Council for the time being shall, however, have power to nominate any person they may think fit for election, and to dispense with any or all of the formalities required to be observed on an application for membership.

At present the entrance fee is £2 2s., and the annual subscription £2 2s. for both classes.

THE ENTRANCE EXAMINATIONS.

An Examination to qualify for Membership is held twice a year. Particulars are published in The Year Book, price two shillings; Syllabus free.

STUDENTSHIPS AND SCHOLARSHIPS.

The Register of Students is open to pupils or assistants in architects' offices, between the ages of 16 and 28 years. They are entitled to the following privileges:—Admission to lectures, the use of the Society's Loan Library and Employment Register, and a copy of each issue of *The Architect's Magazine*. Subscription 10s. 6d. per annum. A Travelling Studentship value £25 is offered annually for competition among Students on the Register, and also an open Scholarship (maximum age limit 19) of the value of £10 per annum, tenable for 3 years, available at any Architectural School, or to be used in forwarding the Architectural Education of the holder in some other approved manner.

EMPLOYMENT REGISTER.

A Register of Employment is now open, whereby Architects requiring assistants, and assistants seeking employment, may be brought into contact. The Register is free to Members and Students. Employers and assistants being non-members may avail themselves of this Register on payment of 2s., which includes one insertion in the Magazine.

Aberdeen Society of Architects.

Council.

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A. H. L. Mackinnon (*a*), *Hon. Sec.*, 245 Union St.

The Society consists of Members who, having served an apprenticeship with an Architect or firm of Architects, have been employed as Assistants, or have practised as Architects for a period altogether (including Apprenticeship) of not less than eight years, and who at the time of their application for admission to the Society are practising on their own account as Architects in Aberdeen.

Birmingham Architectural Association.

Council.

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A. L. Ball, *Hon. Librarian.*
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Hon. Secretaries.—G. Salway Nicol (*a*), King's Court, Colmore Row, Birmingham; A. Dennis Thacker, 33 Newhall St., Birmingham.

The Association consists of—Members: Architects who have been in Practice at least two years; Associates: Architects not eligible as Members, Architects' assistants and pupils; Honorary Members: Persons who are not Architects, but interested in Architecture and the allied arts; Associated Craftsmen: Persons engaged in the various crafts connected with Architectural Art.

Bristol Society of Architects.

Council.

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Mowbray A. Green (*a*).
G. C. Lawrence (*a*).
Thomas Nicholson.
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Richard C. James (*a*), *Hon. Secretary and Treasurer*, Eagle Insurance Buildings, Baldwin St., Bristol.
Harold Smith (*a*) *Hon. Librarian.*

The Members consist of—Fellows: Architects who have attained the age of thirty years, and who have been in practice more than five years; Associates: Persons engaged in the study or practice of Architecture who have attained the age of twenty-one years; Hon. Associates: Persons not professionally engaged in practice as Architects, who, by reason of their interest or ability in Art, Science, Literature, Archæology, or their experience in matters relating to Architecture or Building, may appear to the Council to be able to render assistance in promoting the objects of the Society; Students: Persons engaged in the study of Architecture, and who are not less than sixteen years of age.

Cardiff, South Wales, and Monmouthshire Architects' Society

1906-7.

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Council.

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J. H. Phillips (*f*).
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C. L. Wilson.
Edgar G. C. Down (*a*), *Hon. Secretary*, 31 High Street.
J. A. Lawrence, *Assistant Hon. Secretary*, 151 King's Road.
T. J. Berrow, *Representative of Associates.*

The Society consists of Members, Associates, and Honorary Members. Members must be practising Architects, not combining any other business with their profession of Architecture, except those of land and quantity surveying, land agency, and valuing and civil engineering, and must either have served articles to Architects of recognised qualifications, or be members of the R.I.B.A., or be elected at a meeting at which three-quarters of the members of the Society are present. Honorary Members of the Society may be Architects of distinction, not practising in South Wales and Monmouthshire, and also gentlemen of recognised knowledge and taste in Architecture and the kindred arts. Associates of the Society may be Architects' assistants or pupils, who have served or are under articles to qualified Architects.

Devon & Exeter Architectural Society.

Council.

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Octavius Ralling, *Hon. Treasurer.*
Allan J. Pinn (*a*), *Hon. Secretary*, 5 Bedford Circus, Exeter.

The Society consists of three classes—viz., Members, Associate Members, and Associates, wholly engaged as Architects and Surveyors, and not connected with any of the Building Trades. Honorary Members may be elected at any general meeting on the recommendation of the Council. Members are Architects in practice on their own account or in partnership. Associate Members must have qualified for the Associateship R.I.B.A., or have served as assistants for not less than five years in the office of an Architect eligible as a Member; except at the election of the Council, they have full voting powers, but are not eligible for election on the Council. Associates include assistants who have duly served articles, and premiated pupils now in articles. Associates enjoy all the privileges of Membership except that of voting.

The Dundee Institute.

Council.

J. Donald Mills, *President.*
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Charles Mann, *Hon. Treas.*
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David L. Allan, *Hon. Secretary*, 41 Reform St., Dundee.

The Institute is composed of residents in Dundee and vicinity in three classes—viz., Members: Gentlemen who have been engaged professionally in the practice of Architecture, the applied sciences, or the fine arts for a period of not less than seven years; Associates: Gentlemen not eligible as Members, and ladies who are studying Architecture, or who take an interest in the objects of the Institute; Honorary Members, who may be elected by the Council.

The Edinburgh Association.

Officers and Committee of Management.

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John Watson, *Hon. Librarian.*
olin B. Cownie, *Hon. Secretary*, 17 York Place, Edinburgh.

The Association consists of *Honorary Members*, and four classes of Subscribing Members—viz., *Fellows:* who are practising Architects of three years' standing. *Members:* who are persons engaged in artistic or collateral pursuits, or interested in the study of Architecture. *Associates:* who are Assistants, Pupils, and Apprentices of Architects, Civil Engineers or Surveyors and Junior Designers. *Corresponding Associates:* who are Associates residing more than fifteen miles from Edinburgh.

The Glasgow Institute.

Officers and Council.

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A. Balfour (*f*).
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H. E. Clifford (*f*).
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T. L. Watson (*f*).
John B. Wilson.
C. J. MacLean, *Secretary*, 115 St. Vincent Street, Glasgow.

Every person applying for admission should at the time of application be engaged in carrying on the business or profession of an Architect on his own account in the City of Glasgow or elsewhere, and should besides belong to one or other of the following categories:—(1) Persons who have served for six years, at least, as apprentices or assistants with Members of the Institute, or with persons eligible to become such. (2) Members of other Architectural Institutes, Associations, or Societies. They must be nominated by two members, be approved by the Council, and sign a form of declaration as to their professional training and practice.

The Gloucestershire Architectural Association.

Council.

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T. Overbury, M.S.A., *Hon. General Secretary and Treasurer,* Lloyd's Bank Chambers, Cheltenham.

The Members consist of three classes, viz.:—*Fellows*: duly qualified Architects who have been in practice for at least two successive years; *Associates:* Architects' Assistants or Pupils who shall have served, or be under Articles to qualified Architects; *Honorary Fellows:* Gentlemen eminent for distinguished attainments, or who have rendered special services to the Association or Profession.

Leeds & Yorkshire Architectural Society.

Council.

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The Society consists of—Members: Architects who have been in practice at least two years prior to election; Associates: Architects's assistants, pupils, or Architects who are not eligible as Members, or who have not been nominated as Members; and Honorary Members: Persons interested in the arts and sciences associated with Architecture.

Leicester and Leicestershire Society of Architects.

Council.

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The Members consist of four classes, viz.:—Hon. Members, retired Architects and others; Full Members: Architects who have been engaged for not less than three years as principals; Associate Members: Architects in practice, but not eligible as Full Members, or Associates R.I.B.A.; and Assistant or Pupil Members: assistants and pupils not less than sixteen years of age, in the office of an Architect, Surveyor, or Civil Engineer in practice in the counties of Leicester or Rutland.

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The Members consist of four classes, viz., Fellows: Architects engaged as principals not less than three years; Professional Associates: Architects' assistants, and Architects not eligible as Fellows; Students: persons engaged in the study of Architecture; and Honorary Members.

Manchester Society of Architects.

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Arthur S. Brewis, *Secretary,* Canada Chambers, 36 Spring Gardens, Manchester.

The Members consist of—Fellows, who have been engaged in practice for at least five years, and are entitled to use the affix F.M.S.A.; Associates, who are at least twenty-three years of age, engaged in the study or practice of Architecture as a profession, and who are entitled to use the affix A.M.S.A.; Students, who are under twenty-three years of age and are engaged in the study of Architecture either as assistants or pupils. The Council meet every month, and General Meetings of the Society are held every three months.

Northern Architectural Society.

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H. A. Wilson (*a*).

Arthur B. Plummer (*f*), *Hon. Sec.,* 13 Grey Street, Newcastle-on-Tyne.

J. B. Cubey, *Assistant Secretary.*

The Association consists of four classes, viz.:—Members: Architects in practice as principals, or as town or county Architects, and who have so practised for not less than three consecutive years immediately preceding their nomination; Associates: Architects not yet eligible as members, or assistants (over twenty-one years of age) in the offices of gentlemen eligible as Members or Associates; Students: persons under twenty-one years, engaged in the study of Architecture in the offices of gentlemen eligible as Members or Associates; and Honorary Members. Honorary Membership is conferred on gentlemen eminent for distinguished attainments on the recommendation of the Council.

Nottingham Architectural Society.

Council.

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H. G. Watkins (*a*).

W. Brandreth Savidge (*a*), *Hon. Secretary and Treasurer,* Queen's Chambers, King St., Nottingham.

The members consist of three classes, viz.:—Members: Architects engaged as principals not less than two years; Associates: Architects not eligible as members, Architects' assistants and articled pupils; and honorary Members; gentlemen distinguished for their attainments.

Sheffield Society of Architects and Surveyors.

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H. L. Paterson (*a*).
H. I. Potter (*a*).
Joseph Smith (*f*).
A. E. Turnell.
T. Winder.

James R. Wigfull (*a*), *Hon. Sec.*, 14 Parade Chambers, East Parade, Sheffield.

The members consist of five classes:—Fellows, Associates, Students, Honorary Members, and Lay Members. The Fellows are practitioners who have been engaged as principals for not less than five years in their profession; the Associates are principals, or assistants over twenty-one years of age; the Students are articled pupils; the Honorary Members are persons distinguished for their connection with art and science; the Lay Members are gentlemen not practising but interested in Architecture or Surveying, and not following any of the Building Trades.

Swansea Architects' Association.

Council.

Charles T. Ruthen, *President.*

A. Barber. C. R. Peacock.
C. H. Cousins. C. S. Thomas.
Basil Deacon. J. Thomas.
H. C. Portsmouth. J. M. Thomas.

Henry A. Ellis, M.A., *Hon. Sec. and Treasurer.*

The Society consists of Hon. Members:—Architects not practising in South Wales or Monmouthshire, or gentlemen of recognised knowledge and taste in Architecture and the kindred arts. *Members:* Architects who have been in practice at least five years. *Associates:* Architects' assistants or pupils who have served or are under Articles to qualified Architects.

Wolverhampton and District Architectural Association.

Council.

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Wm. J. Oliver, M.S.A., *Vice-President.*

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T. H. Fleeming.

J. Harrison Weller, *Hon. Treasurer.*
W. J. Oliver, *Hon. Secretary*, 1 Darlington Street, Wolverhampton.
A. Eaton Painter, *Auditor.*

The Association consists only of qualified Architects in practice. The meetings are held quarterly.

The York Society.

Council.

Arthur Pollard (*f*), *President.*

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George Benson (*a*). Thomas Monkman, *Hon. Treas.*
A. B. Burleigh, *Hon. Librarian.* S. Needham, *Vice-President.*
C. H. Channon (*f*). E. A. Pollard.
A. Cowman. J. H. Rutherford.
H. Davis (*f*). J. O. Thompson.

T. W. Whipp.
Frank Raney, *Hon. Secretary*, 50 Stonegate, York.

The members consist of three classes, viz.—Members: Architects who have been in practice more than two years, or hold chief public appointments; Associates: Students of Architecture, Assistants, or others in the profession who are not eligible as members; Honorary Members: Gentlemen distinguished for their attainments and those who have an indirect interest in Architecture, or in some of the collateral arts and sciences.

Royal Institute of Architects of Ireland.

Council.

William M. Mitchell (*f*), R.H.A., *President* (*Member R.I.B.A. Council*).

H. Allberry (*a*), Rep. Architectural Association of Ireland W. Kaye-Parry (*f*), M.A., M.I.C.E.
George C. Ashlin (*f*), R.H.A. Charles J. McCarthy.
Charles A. Ashworth, *Hon. Treasurer.* J. J. McDonnell, Rep. Ulster Society of Architects.
F. Batchelor (*f*), A.R.H.A. W. M. Mitchell (*f*), R.H.A.
J. Rawson Carroll (*f*). Albert E. Murray (*f*), A.R.H.A.
Sir Thomas Drew (*f*), P.R.H.A. C. A. Owen (*f*) B.A.
Charles Geoghegan. George P. Sheridan (*a*).
William J. Gilliland, Pres. Ulster Society of Archts.

James Henry Webb, Rep. of the Architectural Association of Ireland.
R. Caulfeild Orpen, B.A., *Hon. Sec.*, 13 South Frederick Street, Dublin.

The Institute consists of four classes of Members, viz:—Fellows and ordinary Members, and Hon. Fellows and Hon. Corresponding Members. Fellows shall be Architects of good repute, being Members of the Royal Institute of the Architects of Ireland, and engaged in the practice of Architecture for at least seven years, and who shall he elected to the rank of Fellows by general vote of the Members, on the recommendation of the Council; Members shall be Architects of good repute, who have attained the age of 23 years, and (*a*) who have been engaged for at least seven years in practice as principals: or (*b*) seven years in the study of Architecture with a view to practice, including apprenticeship of not less than three years to a Member of the Institute, or of the Royal Institute of British Architects, or of the societies allied to it. or (*c*) who shall have passed the Associate Examination of the R.I.B.A. for the time being: Honorary Members and Honorary Corresponding Members, persons eminent for their works or scientific acquirements, not being British Architects.

The Architectural Association of Ireland.

15 South Frederick Lane, Dublin.

Officers, 1906-1907.

J. Holloway, *President.*
Vice-Presidents, E. Bradbury and R. M. Butler.

Committee.

H. Allberry. J. Geoghegan.
G. F. Beckett. H. G. Leask.
M. J. Burke. A. G. C. Millar.
P. L. Dickinson. G. L. O'Connor.

J. H. Webb.
Hon. Treasurer, F. Hayes, 24 Nassau Street, Dublin.
Hon. Librarian and Registrar, G. G. Lynes.
Hon. Secretaries, C. H. Mitchell, 10 Stephen's Green, Dublin; Lucius O'Callaghan, 26 South Frederick Street, Dublin.
Hon. Auditors, J. W. Beckett and C. Harrison.

The ordinary meetings are held on alternate Tuesdays during the Session from October to May. Papers are read, and discussions take place. In addition, educational advantages are afforded to members by means of Design and Sketching Classes, and by visits to buildings in progress.

Library open from 11 to 6. Closed on Saturdays.

Persons seeking election must be nominated by two members of the Association, and must sign a form of Declaration as to their professional training.

London County Council Central School of Arts and Crafts.

316 Regent Street, London, W.

Principal, Professor W. B. Lethaby (*f*).
Lecturer and Instructor in Architecture, Halsey Ricardo (*f*) assisted by Sidney B. Caulfield.
Building Construction, F. H. Mansford.
Curator, C. W. Beckett.

The instruction in this School is adapted to the needs of those engaged in building work. The following classes are held in the evening:—Drawing, Architectural Design, Building Construction, Colour and Decoration, Furniture and Metal Work Design, Wallpaper and Textile Design, Heraldic Drawing, &c., Modelling and Ornament as applied to Architecture and the allied crafts, Drawing and Modelling from Life, Ornamental Leadwork, Stoneworking for Architects, The Theory and Practice of Stained Glass Work.

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Royal Academy of Arts.

Master of the Architectural School, R. Phené Spiers (*f*), F.S.A.

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Session 1906—1907.

FACULTY OF ARTS—DIVISION OF ARCHITECTURE.

Professor.—R. ELSEY SMITH (*f*).
Lecturer.—A. STRATTON (*a*).
Lecturer.—JAMES BARTLETT.

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The terms usually commence as follows:—
Michaelmas Term, the first week in October.
Lent Term, the first week in January.
Easter Term, the first week in May.

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University College, London.

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Coldwell, E. W., 9 Southampton St., Bloomsbury, W.C.
Cole, A., 34 Thurlestone Rd., West Norwood, S.E.
Cole, J. K., and Wood, K. (a), 17 Hart St., Bloomsbury, W.C.
f Cole, R. L., 23 Throgmorton St., E.C.
Coleman & Holmes, Archway Rd., Highgate Stn., N.
Coleridge, J. D., 10 Davies St., Berkeley Square, W.
a Collard, A. O., 8 Buckingham St., Strand, W.C.
Collcutt (f) & Hamp (a), 36 Bloomsbury Sq., W.C.
f Collier, R. W., 37 Lincoln's Inn Fields, W.C.
† Collins, C. D., L.B. & S.C.R., London Bridge, S.E.
a Collins, H. A., 6 Delahay St., S.W.
f Collins, M. E., 61 Old Broad St., E.C.
a Collins, L. E., 31 Great St. Helen's, E.C.
f Collinson, G. F., 81 Hallam St., Portland Place, W.
Colman, E., & Son, 25 Bedford Row, W.C.
Colson (f), Farrow (f), and Nisbett (a), 29 New Bridge Street, E.C.
Colthurst, G. B., 77 Talgarth Mans., Kensington, W.
Colville, H. L., 4 Queen St. Place, E.C.
Commin, F. J., Son & Bulley, 1 Victoria St., S.W.
Comyn, C. H. F., 3 Raymond Bldgs., Gray's Inn, W.C.
f Conder, A., 9 Bridge St., Westminster, S.W.
† Condy, P., 9 Newcomen St., S.E.
a Cooke, W. G., 35 Walbrook, E.C.
a Cooksey, A. W., 6 Adam St., Adelphi, W.C.
a Coombs, W. A., 31 Charing Cross, S.W.
Cooper, C. J. H., 1 Lincoln's Inn Fields, W.C.
Cooper, G. W., 58 Theobald's Rd., W.C.
Cooper, J. S., 14 Serjeants' Inn, Fleet St., E.C.
f Cooper, T. E., 11 Gray's Inn Sq., W.C.
a Coram, J. H., 60 Chancery Lane, W.C.
Corbett & Newson, 17 Gracechurch St., E.C.
a Cotton, P. P., Grosvenor Mans., Victoria St., S.W.
† Coulson, G. M., 142 Stoke Newington Rd., N.
Couchman, H. S., 522 High Rd., Tottenham, N.
Couves, L. J., 13 Basinghall St., E.C.
Coward (a) & Kennedy, 25 Bedford Row, W.C.
Cowell & Shaw, 69 Moorgate St., E.C.
Cowlishaw, W. H., 6 Gt. James St., Bedford Row, W.C.
Cox, A., 37 Baker St., W.
f Cox, A., 4 Adam St., Adelphi, W.C.
a Cox, R. L., 9 Gt. James' St., Bedford Row, W.C.
Coxon, R., 14 Clifford's Inn, Fleet St., E.C.
Coyle, A. H., 10 John St., Adelphi, W.C.
a Crace, L. P., 26 Manchester St., Manchester Sq., W.
a Cranfield, S. W., 58 Lincoln's Inn Fields, W.C.
Crawford-Hick, A., 5 John St., Adelphi, W.C.
f Creed, R., 11 Finsbury Circus, E.C.
Cresswell, H., 301 Green Lanes, N.
f Cresswell, H. O., 17 Buckingham St., Strand, W.C.
Cresswell, W. T., 11 Victoria St., S.W.
Crewe, B., 9 Savoy Mansions, Strand, W.C.
Crickmay & Heath (a), 9 Mitre Court Chambers, Temple, E.C.
Crickmay, G. R. (f), & Sons (f), 13 Victoria St., S.W.
Crimp, A. G., 7 Gray's Inn Sq., W.C.
Cronk, E. E., 12 Pall Mall, S.W.
a Crook, W. E. F., 64 Thornfield Rd., Uxbridge Rd., W.
† Crosby, J. P., 110 St. Martin's Lane, W.C.
† Crosier, C., 6 Chestnut Rd., West Norwood, S.E.
f Cross, A. W. S., 46 New Bond St., W.
Crosse, E., & Co., 11 Bermondsey Square, S.E.
a Crossland, R. E., 29 Ludgate Hill, E.C.
Crothall, H. G., Middlesex Guildhall, Westminster.
a Crouch, H. A., 12 Gray's Inn Square, W.C.
f Crow, A., 18 Great Prescot St., E.
† Cruwys, R., 51 Upper Tulse Hill, S.W.
Cubitt (f) & Manchip, 2 Broad Street Bldgs., E.C.
† Culverhouse, P. E., G.W. Ry., Paddington Station, W.
Cummings, S., 42 Cranley Gardens, S.W.
Cunnington, T. C., 16 Broomwood Gdns., Clapham, S.W.
Currey, P. (f), & H. W., 37 Norfolk St., Strand, W.C.
a Curtis, S. C., 334 Birkbeck Bank Chmbrs., Holborn, W.C.
a Curtis, W. T., "Harbledown," South Croxted Rd., West Dulwich, S.E.
a Curwen, R., 112 Hamilton House, Bishopsgate, E.C.
† Curzon, H., 6 Lifford St., Putney, S.W.
f Cutler, T. W., 5 Queen Sq., Bloomsbury, W.C.
Cutts, J. E. K. (f), and J. P. (a), 14 Southampton St., Strand, W.C.
a Cuxson, G. A. P., 5 Duke St., Adelphi, W.C.
Dakers, W. S., 13 Queen Anne's Gate, S.W.
Dale, D. R. (f), and Gadsdon, 8 Union Court, Old Broad St., E.C.
Dalton, F. W., 50 Hitherfield Rd., Streatham, S.W.
a Dannatt, P. B., 92 London St., Greenwich, S.E.
Davidson & Phillipson, 148 Aldersgate St., E.C.
Davidson, J., 45 Great Russell St., W.C.
Davidson, W. R., 8 New Square, Lincoln's Inn, W.C.
Davis, H. D. & Emanuel, 2 Finsbury Circus, E.C.
a Davis, J. S., Lambe Bldgs., Temple, E.C.
Davis, O. W., 41 Pennard Rd., Shepherd's Bush, W.
Davis, W. E., 13 John St., Adelphi, W.C.
a Davison, T., 28 Great Ormond St., W.C.
f Dawber, E. G., 22 Buckingham St., Strand, W.C.
Dawkins, A., 420 Fulham Palace Rd., S.W.
f Dawson, H., & Son, 6 Finsbury Circus, E.C.
Deakin & Cameron, 16 & 17 Devonshire Sq., Bishopsgate St. Without, E.C.
Dennington, J. W., 17 St. Swithin's Lane, E.C.
Denton, Son & North, 9 Bridge St., Westminster, S.W.
Deverall-Saul, G. P., 112 Beauford St., Chelsea, S.W.
a Devlin, W. J., 12 Buckingham St., Strand, W.C.
Dewes, W., 4 Bloomsbury Place, W.C.
† Dick, R. W. C., 18 Coleman St., E.C.
Dickinson, R., 5 John St., Adelphi, W.C.
f Dicksee, B. J., 67 New Kent Rd., S.E.
Dinwiddy, T. (f), & Sons (a), 54 Parliament St., S.W.
Dixon, A., care of Whitbread and Co., Ltd., The Brewery, Chiswell St., E.C.
a Dixon, E. J., 23 Idmiston Rd., Stratford, E.
a Dixon-Spain, J. E., 19 Hanover Sq., W.
f Doll, C. F., 5 Southampton St., Bloomsbury, W.C.
a Dollar, P., Clock House, Arundel St., Strand, W.C.
Dolley & Altman, 70 & 71 Bishopsgate St. Within, E.C.
f Donkin, J., 49 Queen Victoria Street, E.C.
a Dottridge, S. S., 101 Leadenhall St., E.C.
a Douglass, H. A., 18 Tufton St. Westminster, S.W.
Downes, J. J., 199 Lewisham High Rd., S.E.
f Downing, H. P. B., 12 Little College St., Westminster, S.W.
Dowton, W. L., 44 Theobald's Rd., W.C.
D'Oyley, E. H., 10 New Sq., Lincoln's Inn, W.C.
Drew, H. P., 33 King St., Covent Garden, W.C.
Drinkwater, G. C., 9 & 10 Queen Anne's Chmbrs., Tothill St., S.W.
† Druery, H., 26 Gt. James St., Bedford Row, W.C.
a Drummond, B., 16 Clifford's Inn, E.C.
f Drury, E. D., 26 Queen Anne's Gate, S.W.
f Dutfield, W. H., 5 Budge Row, E.C.
Dunch, C., 27 Clement's Lane, E.C.
† Dunford, J. W., 100c Queen Victoria St., E.C.
Dunk, W. (a), & Bousefield, Billiter Sq. Bldgs., E.C.
Dunkerley, V., 8 Frederick's Place, Old Jewry, E.C.
f Dunn, J., 1 John St., St. James's Square, S.W.
Dunn, W. (f), & Watson, R. (f), 35 Lincoln's Inn Fields, W.C.
f Dunn, W. N., 1 and 2 Bucklersbury, E.C.
a Dunstall, H. H., 9 John St., Adelphi, W.C.
Durrans (a) & Groves, 25 York Place, Baker St., W.
Durst, A. 3 Raymond Bldgs., Gray's Inn, W.C.
Duval, M. de H., 11 New Court, Lincoln's Inn, W.C.
Dyball, H., 35 Bucklersbury, E.C.
Dyer, F. C., 79½ Gracechurch St., E.C.
Eastman Bros., 31 Walbrook, E.C.
a Eastwood, J. H., 42 Cheniston Gdns., Kensington, W.
a Eaton, W., Municipal Bldgs., Lavender Hill, S.W.
f Ebbetts, W. J., Savoy House, 115 Strand, W.C.
Edmeston & Gabriel (a), 42 Old Broad St., E.C.
f † Edwards, G., 52 Cannon Street, E.C.
f Edwards, R. C., 37 Norfolk Street, Strand, W.C.
Eedle, F. J. (†), and Meyers, S. H. (†), 8 Railway Approach, London Bridge, S.E.
Eldridge (Douglas) & Co., Bassishaw House, Basinghall St., E.C.
a Elgood, F. M., 98 Wimpole St., Cavendish Sq., W.
Elkington, G. (f) & Son (a), 7 Laurence Pountney Hill, E.C.
Eliff, F., 4 Lancaster Place, Strand, W.C.
a Ellis, E. B., 18 Fenchurch St., E.C.
Ellis, H. O., 46 Fenchurch St., E.C.
Ellis, T. M., 28 Essex St., Strand, W.C.
Elms (a) & Jupp, 25 Sackville St., W.
Elphick, G. H., Broad Street House, E.C.
Elwell, G. W., 17 John St., Bedford Row, W.C.
Elwood, G. M., 53 Mortimer St., W.
Emden (†), Egan & Co, 2 Lancaster Pl., Strand, W.C.
f Emerson, Sir W., 76 Victoria St., S.W.
Emes, J., 159 Ebury St., S.W.
England, A. J., 181 Queen Victoria St., E.C.
English, C. W., Staple Inn Bldgs., 335 High Holborn, W.C.
Epps, W. M., 43 Selby Rd., Anerley, S.E.
Essex (f) & Goodman, (†) 25 Bedford Rd., W.C.
† Evans, E. C. W., 10 Basinghall St., E.C.
Evans, E. H., 32 Craven St., Strand, W.C.
Evans, T. J., 61 Munster Rd., Fulham, S.W.
Eve, W., & Son, 10 Union Court, Old Broad St., E.C.
Evill, N., 10 Davies St., Berkeley Square, W.
Fair, & Myer, (a), 39 Furnival St., E.C.
Faraday & Rodgers, 77 Chancery Lane, W.C.
Fare, A. C., & Cannon, F., 12 Millman St., Bedford Row, W.C.
Farquharson, H., 41 Montpelier Sq., Knightsbridge, W.
Farrar, E., 14 Victoria St., S.W.
Farrer, J. 2 Coleman St., E.C.
Farthing, W. T., & Son, 46 Strand, W.C.
Fasnacht (f †) & Beale, 17 Old Queen St., Westminster, S.W.
Faulkner, A. F., 2 Sloane Gardens, S.W.
f Favarger, H., 2 Balfour Place, Park Lane, W.
Fedden, H. L., 45 Great Russell St., W.C.
f Fenning, A. R. G., 46 Lincoln's Inn Fields, W.C.
Ferrier, C. W., 11 Waterloo Place, S.W.
Ferryman, T. W., 33 Chancery Lane, W.C.
a Fetch, E. E., 20 John St., Adelphi, W.
† Fewster, A. E. 7 Carlton Rd., Stroud Green, N.
a Field, A. W., The Outer Temple, 222 Strand, W.C.
Field Horace (f) & Simmons, 1 Langham Chmbrs., Langham Place, W.

Fielder, A. P., 199 Piccadilly, W. and 43 London Wall, E.C.
Fielding, W., 3 Victoria St., S.W.
ƒ Figgis, T. P., 28 Martin's Lane, Cannon St., E.C.
† Finch, A. R., 41 Ladbroke Grove, W.
ƒ Finch, H. W., 2 New Square, Lincoln's Inn, W.C.
Finch, J., 138 Mercer's Rd., Upper Holloway, N.
Finch, W. A., 76 Finsbury Pavement, E.C.
Findlay (†) & Roques (†), 10 Basinghall St., E.C.
Fish, J., 75 Gloucester St., Pimlico, S.W.
Fisher, E., 10 York Bldgs., Adelphi, W.C.
Fisher, F. J., 14 Queen St., Cheapside, E.C.
Fitt, R., 35 Farlow Rd., Putney, S.W.
a Flack, C. H., 3 Gt. James St., Bedford Row, W.C.
a Fleming, J. R., 112 Barcombe Av., Streatham Hill, S.W.
a Fleming, O., 17 Pall Mall East, S.W.
Fletcher Banister, (ƒ) & Sons (ƒ's), 29 New Bridge St., E.C.
ƒ Fletcher, B. F., 29 New Bridge St., E.C.
ƒ Fletcher, H. P., 29 New Bridge St., E.C.
Fletcher, H. M., 10 Lincoln's Inn Fields, W.C.
Fletcher, W. H., 50 Alexandra Rd., N.W.
Flew, J. P., junr., 199 North End Rd., W.
ƒ Flint, E., 80 Coleman St., E.C.
ƒ Flockhart, W., 180 New Bond St., W.
Flowers, H. H., 34 Eastbourne Terrace, Hyde Park, W.
Follett, J. J., (see Pooley & Follett)
Forbes & Tate, 38 Great James St., W.C.
Ford, H. W., Dist. Ry., St. James' Park Station, S.W.
a Ford, L.R., Bank Chmbs., High St., Wandsworth, S.W.
Ford, Son & Burrows (ƒ), 70a Basinghall St., E.C.
a Ford, S., 3 South Sq., Gray's Inn, W.C.
Forge, F. L., 28 Martin's Lane, Cannon St., E.C.
Forman, A. A., 7 Oldbury Place, Nottingham St., W.
ƒ Forrester, A. C., 35 Old Queen St., Westminster, S.W.
Forsyth (ƒ) & Maule (ƒ), 16 Great Marlborough St., W.
a Foster, F., 8 Duke St., Adelphi, W.C.
Foster, F., 47 Victoria St., S.W.
Foster, F. W., 41 Bedford Row, W.C.
a Fowler, F. H., 508-509 Birkbeck Bank Chmbrs., W.C.
Fowler, S. (a), & Hugman, F., 9 Adam St., Adelphi, W.C.
a Fox, F., 99 Gresham St., E.C.
a Fox, G., 18 Mecklenburgh Sq., W.C.
Fox, G. H., 9 John St., Adelphi, W.C.
Foxley, A., 5 Victoria St., S.W.
a† Frampton, A., 62 & 63 Basinghall St., E.C.
Francis, F. & H., 34 Old Broad St., E.C.
Francis, L. A., 8 John St., Adelphi, W.C.
a Franck, J. E., 11 Pancras Lane, Queen St., E.C.
† Freeland, J. J., 19a High St., Clapham, S.W.
† Freeman, A. C., 72 Finsbury Pavement, E.C.
Frend, Houchin (†) & Co., Bloomsbury Mansions, Hart St., W.C.
a Frere, E. C., 29B Lincoln's Inn Fields, W.C.
Frost, G. W., 125 Rathcoole Gardens, Hornsey, N.
Fry, J. H., 64 Craven Park, N.W.
Fry, R. C., 12 Clifford's Inn, Fleet St., E.C.
Fulford, R. S., 16 Parkhurst Rd., Holloway, N.
Fullerton, J. H., 24 Fopstone Rd., Kensington, S.W.
Fullerton, W., Falcon Court, 32 Fleet St., E.C.
a Fulton, J. B., 14 Bedford Row, W.C.
Galbraith, A. W., 1 Mitre Court, Temple, E.C.
ƒ Gale, A. J., 4 Serjeants' Inn, Fleet St., E.C.
Gale, Durlacher & Emmett, 33 New Bridge St., E.C.
Gale, Gotch (ƒ), & Leighton (ƒ), 225 Long Lane, Bermondsey, S.E.
Galloway, R. A., 64 Berners St., W.
a Gammell, K., 9 Mitre Court Chambers, Temple, E.C.
ƒ Garbutt, M., Bishop's Road Station, Paddington, W.
Gargery, W. T., 29 Barry Rd., East Dulwich, S.E.
Garrood, T. M., 337 & 338 Birkbeck Bank Chmbrs., Holborn, W.C.
Gelder & Kitchen (ƒ), 7 Poultry, E.C.
George (ƒ) & Yeates (ƒ), 18 Maddox St., W.
a Gibbon, W. J., 57 Lincoln's Inn Fields, W.C.
a Gibbs, T. H., 23 Devereux Court, Strand, W.C.
Gilbert, H. (a) & Constanduros, S., 43 Finsbury Sq., E.C
ƒ Gibson, J. S., 5 Old Bond St., W.
Giles (a), Gough (a), & Trollope (ƒ), 28 Craven St., Strand, W.C.
Gimblette, H. J., 85 St. Helen's Gdns., Notting Hill, W.
Gimblette, J. A. L., 118 Westbourne Grove, W.
Goddard, C. F., 5 Arlington St., Piccadilly, W.
Goddard, R. W. K., 19 Buckingham St., Strand, W.C.
Godman, E., 37 Cheyne Walk, Chelsea, S.W.
ƒ Goldie, E., 31 Upper Phillimore Place, Kensington, W.
ƒ Goldsmith, F.T.W., 1 Verulam Blds., Gray's Inn, W.C.
Goodchild, J. E., & Son, 81 Finsbury Pavement, E.C.
Goode, C. H., 22 Buckingham St., Strand, W.C.
Goodison, I. C., 3 Verulam Bldgs., Gray's Inn, W.C.
Goodman, O. R., 124 Great Dover St., S.E.
Goodwin, H., 403 Old Kent Rd., S.E.
† Goodwin, W. D., 14 Great St. Thomas Apostle, E.C.
Goodwyn, L. W., Granville Chmbrs, Granville Pl., W.
Gordon (ƒ) & Gunton (ƒ), Finsbury House, Blomfield St., E.C.
† Gordon, A., 97 Queen Victoria St., E.C.
Gordon, R. C. T., 395 Romford Rd., Forest Gate, E.
a Goslett, H., 28 Theobald's Rd., W.C.
ƒ Gosling, E. J., 1 Verulam Buildings, Gray's Inn, W.C.
Goss (a) & Huxley, 3 Broad St. Buildings, E.C.
Gover, A. S., 4 Queen St. Place, E.C.
a Grace, L. U., 30 John St., Bedford Row, W.C.
ƒ Graham, A., 4 Regent St., S.W.
Graham, R. F., 10 Queen Anne's Gate, S.W.
Graham, W., 5 John St., Adelphi, W.C.
a Grant, S. W., 63 Finsbury Pavement, E.C.
ƒ Graves, W., 50 Old Broad St., E.C.
Greatback, G. H., Broad St. Place, E.C.
Greatorex, J. E. A., 3 Adam St., Adelphi, W.C.
† Green, G. H., 105 Gt. Russell St., Bloomsbury, W.C.
a Green, L. W., 71 & 72 Strand, W.C.
a Green, P., 113 Finsbury Pavement, E.C.
a Green, T. F., 12 Regent St., S.W.
a Green, T. K., 70 Finsbury Pavement, E.C.
a Green, W. C., 14 Gray's Inn Sq., W.C.
Greenaway (a) & Newberry (a), 21 Queen Anne's Gate, S.W.
a Greenop, E., Falcon Court, 32 Fleet St., E.C.
a Greenslade, S. K., 11 Gray's Inn Square, W.C.
Gregg & Detmar (a), 1A St. Helen's Place, E.C.
Grellier, H. M. & W. (ƒ), 6 Queen Anne's Gate, S.W.
Gridley, J. B., 10 Gray's Inn Square, W.C.
Grierson, F. G., 11 Kitto Rd., Brockley, S.E.
Grieve, C., Lambe Bldg., Temple, E.C.
Griffin & Woollard (ƒ), 34 Coleman St., E.C.
Griffiths, C. R., 4 & 5 Warwick Crt., Gray's Inn, W.C.
Griffiths, W. L., 14-18 Bloomsbury St., W.C.
a Griggs, R., 11 Gray's Inn Square, W.C.
Grimshaw, E., 22 Surrey St., Strand, W.C.
Gritten, H., & Son, 8 Princes St., S.W.
† Gritton, C. E., 39 Victoria St., S.W.
Groll, J. F., 17 West Gdns., Robinson Rd., Tooting, S.W.
a Groom, P. J., 3 Broad St. Buildings, E.C.
ƒ Grose, V. J., 13 Railway Approach, London Bridge, S.E.
Grove, A., 15 Clifford's Inn, Fleet St., E.C.
Grover, G. F., 8 Southampton St., Bloomsbury, W.C.
Gruchy, C. de, Heathfield Lodge, Wandsw'th Com., S.W.
ƒ Gruning, E. A., 25 Gresham House, E.C.
ƒ Guy, A. L., 4 Verulam Bldgs., Gray's Inn, W.C.
a Habershon, A. E., 4 Queen St. Place, E.C.
a Hack, M. S., 22 Surrey St., W.C.
Hackford, G., 6 Queen Anne's Gate, S.W.
† Haigh, B. P., 15 Wilmington Square, W.C.
Hale, R. H., 33 Old Queen St., S.W.
Halford, F. E., 8 Southampton St., Bloomsbury, W.C.
Hall (†) & Phillips, 6 Gt. James St., Theobald's Rd., W.C.
ƒ Hall, C. R. G., 1 Alma Ter., Allen St., Kensington, W.
Hall, E. L., 1 Gresham Bldgs., Basinghall St., E.C.
ƒ Hall, E. T., 54 Bedford Square, W.C.
ƒ Hall, G. A., 1 Victoria St., S.W.
ƒ Hall, H., 17 Southampton St., Bloomsbury, W.C.
Hall, J., & Son (a), 6 Victoria Grove, Kensington, W.
ƒ Hall, J. C., 9 Stone Bldgs., Lincoln's Inn, W.C.
Hall, L. K., 38 Victoria St., S.W.
Hall-Jones & Cummings, Parliament Mansions, Victoria St., S.W.
Hames, F. J., 14 Gray's Inn Square, W.C.
Hamilton, J., 23 & 24 Wormwood St., E.C.
Hammack, Lambert, & Son (a), 59A Bishopsgate St. Within, E.C.
Hammond, F. S., 63 Fore St., E.C.
ƒ Hammond, F., 38 Mercer's Rd., Upper Holloway, N.
Hammond, R. G., 16 Essex St., W.C.
a Hancock, C. R., 14 Godolphin Rd., Shepherd's Bush, W.
Hanson, J. S., 27 Alfred Pl. W., S. Kensington, S.W.
Harber, W. F., Lampard House, Royal Hospital Rd., Chelsea, S.W.
ƒ Hardcastle, W. J., 130 Temple Chmbrs., E.C.
Hardy, T. E., & Harris, W. A., 7 Great Chapel St., Westminster, S.W.
ƒ Hare, H. T., 13 Hart St., Bloomsbury, W.C.
Harmer, H. G., 6 York Buildings, Adelphi, W.C.
a Harnor, E., 5 John St., Adelphi, W.C.
Harrap, Hewett & Duffield, 5 Budge Row, E.C.
Harrington (a) & Ley, 65 Bishopsgate St. Without, E.C.
ƒ Harris, E. S., 40 Chancery Lane, W.C.
a Harris, G. St. P., 8 Ironmonger Lane, E.C.
Harrison, E. J., 12 Compton Terrace, Highbury, N.
Harrison, O. O., 22 Baker St., W.
Harrison, R. C. (ƒ), & Son, 103 Cannon St., E.C.
a Harrison, W., 15 Old Jewry, E.C.
Harrison, W. H. (ƒ), & Ward, M. S. (ƒ), 66 Victoria St., S.W.
Harston, W., 3 The Exchange, Southwark St., S.E.
Hart, A. H. (ƒ) & Waterhouse, P. L. (a), 1 Verulam Bldgs., Gray's Inn, W.C.
Hart, S. C., 22 Philpot Lane, E.C.
† Hart, T. G., 14 Clifford's Inn, E.C.
Harvey, A. J., 9A Royal Parade, Muswell Hill, N.
Harvey (ƒ) & Potter, 18 John St., Bedford Row, W.C.
ƒ Harvey, W., 47 Victoria St., S.W.
Haskins, E. C., 13 Bedford St., Strand, W.C.
Haslam, R. H., 32 Essex St., Strand, W.C.
Hasluck, F. R., 23 Bush Lane, Cannon St., E.C.
a Hatcher, G. W., 25 Finsbury Square, E.C.
Hawkins (a) & Buss, 10 John St., Adelphi, W.C.
Hawkins, E. E., 19 York Buildings, Adelphi, W.C.
Hawks, H.N., H.M. Office of Wks., 11 Delahay St., S.W.
a Hayes, L. A., 1 Brook St., W.
Haylor, B., 43 Winchester Av., Brondesbury, N.W.
Haward (†) & Maynard (a), 20 John St., Adelphi, W.C.
Haywood & Miles, 14 Southampton St., Strand, W.C.
Hayworth, D. P., 28 Martin's Lane, Cannon St., E.C.
a Hazell, W. E., 5 Tavistock Square, W.C.
Head, F., 6 Duke St., Adelphi, W.C.
Heath, J., 6 Norwood Rd., Herne Hill, S.E.
ƒ Heathcote, C. & Sons, 10 Savoy Court, Strand, W.C.
Hebert, R., 4 Raymond Buildings, Gray's Inn, W.C.
Hedderwick, D. B., 38 Gt. James' St., Bedford Row, W.C.
Heelis, W. & Wrightson, F. (†), 26 Budge Row, E.C.
a Hellicar, E., 10 Serjeant's Inn, Fleet St., E.C.
ƒ Helsdon, H., 67-69 Chancery Lane, W.C.
Henderson, A. R., 46a Pall Mall, S.W.
a Henman, C., 64 Cannon St., E.C.
ƒ Hennell, A. R., 8 & 9 Essex St., Strand, W.C.
Herbert, E., 32 Bedford Row, W.C.
Heron (a) & Bellairs, 27A Sackville St., W.
Hesketh (ƒ) & Stokes (ƒ), 110 Cheapside, E.C.
Hewitt, C. E., 21 Old Queen St., Westminster, S.W.
a Hewitt, E. R., 182 Blackfriars Rd., S.E.
a Hewitt, J., 90 Cannon St., E.C.
Hewitt, R.N., 38 Ashchurch Grove, Shepherd's Bush, W.
a Hewitt, W. E., 22 Buckingham St., W.C.
a Heyes, A., 720 Fulham Rd., S.W.
† Hide, H. C. R., 17 Gracechurch St., E.C.
Hider, E. J. W., 8 Clifford's Inn, E.C.
† Higgins, C. J., 30 Norfolk St., Strand, W.C.
ƒ Highton, G., 6 Franconia Rd., Clapham Common, S.W.
a Hill, A., 73 Queen Victoria St., E.C.
ƒ Hill, R. H., 165 Fenchurch St., E.C.
a Hill, R. H. E., 58 Chancery Lane, W.C.
Hill, S., 106 Cannon St., E.C.
† Hillier, H., 83 Palace Chmbrs., 9 Bridge St., S.W.
Hillman, H. W., 28 Martin's Lane, E.C.
a Hills, G. P. G., 7 New Court, Carey St., W.C.
Hine, G. T. (ƒ) & Co., 35 Parliament St., S.W.
Hingston, F. W., 73 Basinghall St., E.C.
Hoare & Wheeler, 11A Orchard St., W.
a Hobday, W. H., 62 Moorgate St., E.C.
Hobden, R. W., 34 Finsbury Square, E.C.
a Hodges, R. F., 18 John St., Bedford Row, W.C.
Hodgkinson & Son, 22 Wellington St., Strand, W.C.
Hodson & Whitehead, 7 Finsbury Square, E.C.
Hoe, W., 39 Wardour St., W.
Hoffman, P., Palmerston Bldgs., Old Broad St., E.C.
a Holden, C. H., 39 Wilson St., Finsbury, E.C.
Holdgate, J. T., 6 Gray's Inn Square, W.C.
† Holland, T. J., 14 Raleigh Gdns., Brixton Hill, S.W.
Hollis, F. B., 17 Bedford Row, W.C.
Holman & Goodrham, 6 King's Bench Walk, E.C.
Homer & Lucas, 35 Bucklersbury, E.C.
Homer & Sharp (a), 11 Old Queen St., S.W.
Honnor, T., 28 Theobald's Rd., W.C.
Hoole, A. H., 36 Gt. James' St., Bedford Row, W.C.
Hoole, E. (ƒ), & Son, 16 Finsbury Circus, E.C.
ƒ Hooper, F., 12 Norfolk St., Strand, W.C.
Hopkins & Walker, 5 Staple Inn, Holborn, W.C.
Hopkins, A. J., 37 Mortimer St., W.
ƒ Horder, P. M., 148 New Bond St., W.
Horle, A. H., 36 Gt. James St., Bedford Row, W.C.
ƒ Hornblower, G., 2 Devonshire Terr., Portland Pl., W.
Horseman, W. G., 27A Sackville St., Piccadilly, W.
Horsfield (Nixon) (ƒ) & Sons, Parliament Chambers, Great Smith St., Westminster, S.W.
ƒ Horsley, G. C., 2 Gray's Inn Square, W.C.
† Houghton, T. M., 311 Clapham Rd., S.W.
Houston (a) & Houston (a), 1 Long Acre, W.C.
Hovenden & Barber, 30 Bishopsgate St. Without, E.C.
a Howard, E. P., 39 Cursitor St., Chancery Lane, W.C.
Howell & Brooks, 4 Queen Victoria St., E.C.
† Howell, G. T., 31 Cock Lane, E.C.
Hoyland, E. D., 2 Walbrook, E.C.
Hubbard (ƒ) & Moore, 112 Fenchurch St., E.C.
Hudson & Booth (a), 16 Godliman St., E.C.
Hudson, A. W., 87 Finsbury Pavement, E.C.
a Hudson, E. W., 76 Fellowes Rd., S. Hampstead, N.W.
Hudson (ƒ) & Hunt (ƒ), 24 York Pl., Portman Sq., W.
Hughes, A. E. (a), & Son (a), 28 Mortimer St., W.
Hughes, W. B., 31 Craven St., Charing Cross, W.C.
Hukin's & Mayell (†), 76A Westbourne Grove, W., and 37 & 39 Essex St., Strand, W.C.
a Hulbert, W. C., 23 Old Queen St., Westminster, S.W.
Humphreys-Davies & Co., 5 Laurence Pountney La., E.C.
Humphry, A. G., 5 Staple Inn, Holborn, W.C.
Hunt & Steward, 45 Parliament St., S.W.
Hunt, E. A., 26 Coalbrook Mansions, Bedford Hill, Balham, S.W.
ƒ Hunt, F. W. H., 30 York Place, Portman Square, W.
ƒ Hunt, G. H., 26 Bedford Row, W.C.
ƒ Hunt, L. V., 34 Queen St., E.C.
Hunt, W., 30 Norfolk St., Strand, W.C.
ƒ Hunt, W. G., 17A Vicarage Gate, Kensington, W.
a Hunter, C. V., Wardrobe Chambers, E.C.
ƒ Huntley-Gordon, H., 123 Cannon St., E.C.
Hutchings, A. B., 14 Victoria St., S.W.
a Hutchinson, C. E., 29 John St., Bedford Row, W.C.
Hyman, W., 46 Cathcart Rd., West Brompton, S.W.
I'Anson, E., & Son (ƒ), 7A Laurence Pountney Hill, E.C.
ƒ Ibberson, H. G., 28 Martin's Lane, Cannon St., E.C.
Ince, H., 53 Berners St., W.
Inglis, J. E., 9 Great Russell St., W.C.
† Inglis, T. S., 9 Gray's Inn Square, W.C.
† Ingram, W. G., 4 Verulam Bldgs., Gray's Inn, W.C.
† Inman & Sturdee, 7 Bedford Row, W.C.
ƒ Innes, C., 50 Cannon St., E.C.
Inskipp, G. (ƒ), & Mackenzie, 5 Bedford Row, W.C.
a Instone, E., 68 Addison Rd., Kensington, W.
ƒ Isaacs, L. H., 3 Verulam Bldgs., Gray's Inn, W.C.
† Jack, R. A., Peninsular House, Monument St., E.C.
ƒ Jackson, A. B., 3 New Square, Lincoln's Inn, W.C.
† Jackson, C. E., Broad St. House, New Broad St., E.C.
Jackson, G., 9 Lebanon Gardens, S.W.
† Jackson, M. T. E., 128 Gower St., W.C.
Jackson, T. G., 14 Buckingham St., Strand, W.C.
a Jacob, L., 493 New Cross Rd., S.E.
James (†) & Laycock (†), 4 Bloomsbury Place, W.C.
a James, J. W., 22 Lanercost Rd., Tulse Hill, S.W.
ƒ† James, T. E. L., 27 Chancery Lane, W.C.
Jarvis, H. (ƒ), & Son, 29 Trinity Sq., Borough, S.E.
Jarvis (a) & Richards, 36 Victoria St., S.W.
ƒ Jemmett, A. R., 11 Little College St., S.W.
Jennings, A. S., 62 Barry Rd., East Dulwich, S.E.
a Jennings, E. W., 34 Osnaburgh St., N.W.
Jennings, P. D., 34 Osnaburgh St., N.W.
a Joass, J. J., 20 Hanover Square, W.
a Johnson, B. V., 10 Queen Anne's Gate, S.W.
a Johnson, J., 9 Queen Victoria St., E.C.
Johnson, J., 22 Buckingham St., Strand, W.C.
a Johnson, W. E., 22 Buckingham St., Strand, W.C.
Johnston, P. M., 21 De Crespigny Pk., Denmark Hill, S.E.
Johnstone, J. T., 31 Effra Rd., Brixton, S.W.

a Jollye, E. A., 27, Doughty St., Mecklenburgh Sq., W.C.
Jones, C. H., 61 St. Mary Axe, E.C.
a Jones, C. J., 13 Great James' St., Bedford Row, W.C.
† Jones, H. L., L.&N.W. Railway, Euston, N.W.
Jones, J. H. (a) & H. E. (a), 94 Dalston Lane, N.E.
Jones, J. J., 14 South Square, Gray's Inn, W.C.
Jones, J. M., 18 Adam St., Adelphi, W.C.
Jones, R. P., 7 Stone Buildings, Lincoln's Inn, W.C.
f Jones, W C., 32 Bedford Row, W.C.
f Joseph, D., Portland House, Basinghall St., E.C.
Joseph (f), & Smithem (f), 83 Queen St., E.C.
Judge, M H. (a), & Sons, 7 Pall Mall, S.W.
a Julian, G. R., 62 & 63 Basinghall St., E.C.
Karslake, L., & Mortimer, 35 Old Queen St., Westmr., S.W.
† Keates, W. A., 1 Princes St., Westminster, S.W.
f Keen, A., 4 Raymond Bldgs., Gray's Inn, W.C.
a Keith, J. M., 46 Berners St., W.
Keith, W. J., 7 East India Avenue, E.C.
† Kekwick, A. A., 18 & 19 Outer Temple, Strand, W.C.
Kelf, J. J., 143 Cannon St., E.C.
Kelly & Dickie (a), 466 Oxford St., W.
† Kelly, S. A., Bloomsbury House, Queen Square, W.C.
Kelly, W. E., 34 Wingate Rd., Shepherd's Bush, W.
Kemp, F. N., 52 Bedford Row, W.C.
Kemp, W. J. (f), & How, W. M., 6 Bloomsbury Square, W.C.
Kennard, H., 23 Devereaux Court, Strand, W C.
a Kennard, J. M., 13 Railway App., London Bdge., S.E.
Kent, A., 83 St. Paul's Churchyard, E.C.
Keogh, C. G., Bloomsbury Mansions, Hart St., W.C.
Kerkham, Burgers & Myers, 65 Bishopsgate St. Without, E.C.
Kerr, H., 139 Oxford St., W.
f Kersey, A. H., 21 Finsbury Pavement, E.C.
Key, T. E., 5 Bloomsbury Square, W.C.
Keynes, J. A. J., 5 Gledhow Terrace, Kensington, S.W.
Kidner, W., & Berry, W. H. A. (f), 23 Old Broad St., E.C.
† Killik, A. P., 16, Basinghall St., E.C.
† Kinder, A., & Son, Suffolk House, Laurence Pountney Hill, E.C.
King, C., 16 & 17 Devonshire Square, Bishopsgate St., E.C.
a King, C. R. B., 2 Dean's Yard, Westminster, S.W.
King, F. W. M., Billiter Square Buildings, E.C.
King, H. C., 2 Dean's Yard, Westminster, S.W.
King, J. C., 41 Eastcheap, E.C.
King, M. W., & Sons, 6 Holborn Viaduct, E.C.
a King V. H., 11, New Court, Carey St., W.C.
King, Z., & Son (a), 171 Victoria St., S.W.
Kingwell, A. E., 103 & 104 Cheapside, E.C.
f Kitchin, B. T., Archts. Dept., St. Stephen's House, Westminster, S.W.
Knight, E., 39 Great Marlborough St., W.
Knight, E. W., 57 Halesworth Rd., Lewisham, S.E.
f Knight, F. G., 13 Victoria St., S.W.
Knight, G. E., 3 Lincoln's Inn Fields, W.C.
† Knight, H. E., 75 Aldermanbury, E.C.
a Knight, J. A. G., Broadway Ho., Walham Green, S.W.
Knight, J. M., 35 Bancroft Road, E.
f Knight, S., 12 Rossdale Rd., Putney, S.W.
Knight, W. M., 35 Bancroft Road, E.
Knightley & Batterbury (f), 334 Birkbeck Bank Chambers, Holborn, W.C.
Knott, S. E., 32 Essex St., Strand, W.C.
f Knowles, Sir J., K.C.V.O., Queen Anne's Lodge, St. James's Park, S.W.
Koch, A., 58 Theobald's Road, W.C.
Kohler, C. J., 56 Cheapside, E.C.
a Ladds, S. I., 93 Pemberton Rd., Harringay, N.
Lake, H., 8, Clarges St., Piccadilly, W.
† Lamb, E. B., 31 Craven St., Strand, W.C.
Lanchester, H. V. (f), & Rickards, E. A., 47 Bedford Square, W.C.
Lander, Bedells & Crompton (f), 6 John Street, Bedford Row, W.C.
a† Lander, H. C., 1 Arundel St., Strand, W.C.
Langdon, A. G., 17 Craven St., Strand, W.C.
a Langston, H. H., 6 John St., Bedford Row, W.C.
Lansdown, G. A., 9 Regent St., Waterloo Place, S.W.
f Large, W. A., 83A Chester Square, S.W.
a Laurence, G. E. T., 22 Buckingham St., Adelphi, W.C.
Law (†) & Allen (†), 5 Arundel St., Strand, W.C.
Law, E., & Marrott, 72 Cannon Street, E.C.
Lawrence, W. R., 57 and 58 Chancery Lane, W.C.
Laws, J. T., 51 Oseney Crescent, N.W.
Lawton, W. J. S., 24 St. Andrew's Road, Stoke Newington, N.
a Leach, C. P, 21 Pelham Crescent, Sth. Kensington, W.
Lean, G. A., & G. G., 9 Bridge St., Westminster, S.W.
Ledger, F. W., & Co., 8 Philpot Lane, E.C.
Lee, F., 12 Little College Street, Westminster, S.W.
a Lee, J. S., 28 Theobald's Rd., W.C.
f Lee, J. T., 26 Great James Street, Bedford Row, W.C.
Lee, P. B., 89 Warwick St., Belgravia, S.W.
Lee, S. W. (f), & Pain-Clark (f), 12 South Sq., Gray's Inn, W.C.
a Leeds, P., Norfolk House, Norfolk St., Strand, W.C.
Leeming (f) & Leeming (f), 17 Old Queen St., Westminster, S.W.
a Lees, W. H., 35 Mecklenburgh Square, W.C.
Legge, H. S. (f), & Son (a), 56 Ludgate Hill, E.C.
a Le Maitre, W. C., 31 Panton St., S.W.
Lemon (f) & Blizard, 11 Victoria St., S.W.
Lethaby, W. R., 111 Inverness Terrace, W.
f Lethbridge, G., 7 Draper's Gdns., Throgmorton Av., E.C.
Leverton, W. J. H., 10 Lancaster Place, Strand, W.C.
Lewcock, E. W., 35 Methley St., Kennington, S.E.
a Lewis. W. A., 11 & 12 Finsbury Square, E.C.
f Lewis, W. G. B., 28 Chatham Place, Hackney, N.E.
Liddell, J., 87 Chelsea Gdns., Chelsea Bridge Rd., S.W.
Lines, J. T., 19 St. Anne's Rd., Wandsworth, S.W.
a Ling, H., 31 Charing Cross, S.W.
a Lishman, F., 12 Gray's Inn Square, W.C.
Lister, A. H., 7 Waterloo Place, Pall Mall, S.W.
Lodge, P. D., 16 Craven St., Charing Cross, W.C.
Longmore, F. R., Bridge Chmbrs., Hoe St., Walthamstow, N.E.
Lovegrove, G. H., 170 Shoreditch High St., E.
a Lovegrove, H., 169 Shoreditch High St., E.
Lovell, P. W., Parliament Chambers, Great Smith St., Westminster, S.W.
Lovell, R. J., 46 Queen Victoria St., E.C.
a Low, W. R. 10 Basinghall St., E.C.
† Lowdell, W., 25 John St., Bedford Row, W.C.
a Lucas, G., 16 Hart St., Bloomsbury, W.C.
a Lucas, W. K., 12 Dalmeny Avenue, Tufnell Park, N.
Lucas, W. L., 17 Ryder St., St. James's, S.W.
Lucy, H., 4 Albert St., Mornington Crescent, N.W.
Luetchford, G. H., 122 London Wall, E.C.
Lumb, T. G., & Co., 16 King William St., Strand, W.C.
Lutyens, E. L., 29 Bloomsbury Square, W.C.
Lyon, T. H., 148 High St., Kensington, W.
f Macartney, M., 10 Lincoln's Inn Fields, W.C.
McDonald, W. S., 2 Fen Court, E.C.
† Macey, F. W., 49 Queen Victoria St., E.C.
McGarel-Hogg, Hon. A., 36 Lincoln's Inn Fields, W.C.
Macintosh & Newman, 456 Birkbeck Bank Chambers, Holborn, W.C.
McIntosh & Co., 74 Kennington Park Rd., S.E.
Mackenzie, A. M. (f), & Son (a), 13 Waterloo Place, S.W.
Mackmurdo, A. H., "Jewry House," Old Jewry, E.C.
a McLachlan, H., 1 Furnival St., E.C.
Macpherson, C., 101 Gower St., W.
Mahomed, O., 3A Bank Buildings, Balham, S.W.
Makins, C. C., 23 Queen Anne's Gate, S.W.
Mallandain, A. E., 51 Cheapside, E.C.
Mallows (f) & Grocock, 28 Conduit St., W.
Mander, C. J., 165 Gray's Inn Rd., W.C.
Mann, C. J., & Son. 29 Great George St., S.W.
† Mann, E. A., 89 Benthal Rd., Stoke Newington, N.
Manning, G. H., 118 Cannon St., E.C.
† Manning, J. R., 10 Rollscourt Ave., Herne Hill, S.E.
Manning, W. C., & A. S., 22 Buckingham St., Strand, W.C.
a Marchant, R., 28 Theobald's Rd., W.C.
f Marks, F. W., 3 Staple Inn, Holborn, W.C.
Marks, P. L., 49 Queen Victoria St., E.C.
Marler & Marler, 176 Sloane St., S.W.
Marsh, H., 38 Great James St., W.C.
Marshall (a), & Bradley, Parliament Mansions, Victoria St., S.W.
f Marshall, E. W., 139 Oxford St., W.
f Marshall, W. C., 4 Bayley St., Bedford Square, W.C.
† Marsland, E., 244 Camberwell Rd., S.E.
Marsland, M., 3 Byward St., Great Tower St., E.C.
Mart, S., 25 Cheapside, E.C.
Martin, A. C., 11 Hart St., Bloomsbury, W.C.
Martin, G. D., 3 Pall Mall East, S.W.
Martin, G. E., Craven House, Kingsway, W.C.
Martineau & Meller, 180 New Kent Rd., S.E.
Matcham, F. & Co., 9 Warwick Court, Holborn, W.C.
Mathews, J. D. (f), & Son 11 Dowgate Hill, E.C.
Matts, M. W., 3 Salter's Hall Court, Cannon St., E.C.
Maxwell-Draper & Barker, 3 Bucklersbury, E.C.
f May, E. J., 21 Hart St., Bloomsbury, W.C.
† May, J. H., College Chambers, 249½ High Holborn, W.C.
May, J. H., 19 Ludgate Hill, E.C.
May, S., 35 Southampton St., Strand, W.C.
May, W. F., 4 Featherstone Bldgs., High Holborn, W.C.
† Mayell, A. Y., 76A Westbourne Grove, W.
Maylard, M. W., 143 Cannon St., E.C.
a Mayston, A. R., 11 Gt. James St., Bedford Row, W.C.
† Mead, C. H., 64 Berners St., W.
Meakin & Archer (†), 11 & 12 Clement's Lane, Lombard St., E.C.
Meakin, W. F., & Son, 6 Martin's Lane, Cannon St., E.C.
f Measures, H. B., War Office, Atterbury St., Grosvenor Rd., S.W.
f Medland, J., 12 South Square, Gray's Inn, W.C.
Medlicott, W. B., 11 Hart St., Bloomsbury, W.C.
† Merriman, G. F. M., 40 Chancery Lane, W.C.
Merrin (a) & Wagstaffe, 31 Fenchurch St., E.C.
† Merson, J. B., 76 High Road, Kilburn, N.W.
Metcalf & Greig, 11 Sergeant's Inn, Fleet St., E.C.
Mewes & Davis, 6 Dean St., Soho, W.
a† Middleton, G. A. T., 19 Craven St., Strand, W.C.
Middleton, W. J., 178 Belsize Rd., N.W.
Midworth, R., Bank Chbrs., Station Rd., Finsbury Pk., N.
Mileham, C. H. M., 1 Lincoln's Inn Fields, W.C.
Miles, G. R., 14 Southampton St., Strand, W.C.
a Millard, W. J. N., 10 Gray's Inn Square, W.C.
† Miller, C. G., 65 Chancery Lane, W.C.
Miller, F. B., 509 Birkbeck Bank Chmbrs., Holborn, W.C.
a Miller, F. T. W., 8 Dartmouth St., S.W.
a Milne, W. O., 77 Chancery Lane, W.C.
Milnes, W. H., 616 Birkbeck Bank Chmbs., Holborn, W.C.
f Minty, E. A., 47 Victoria St., S.W.
a Minty, J. A., 35 Craven St., Strand, W.C.
f Mitchell, A., 17 Hanover Square, W.
† Mitchell, C. F., The Polytechnic, Regent St., W.
† Mitchell & Raine, 11 New Court, Lincoln's Inn, W.C.
† Mitchell-Husbands, A., 13 South Sq., Gray's Inn, W.C.
Monckton (f) & Gillespie, 32 Walbrook, E.C.
Monson, E. C. P. (f†), & H., 22 Buckingham St., Adelphi, W.C.
Moody, T., 2 Haymarket, S.W.
a Moore, A. H., 11 Dowgate Hill, E.C.
Moore, E. E., 100c Queen Victoria St., E.C.
f Moore, T., 37 Old Queen St., Westminster, S.W.
a Moore, T., 7 Leadenhall St., E.C.
Moore, T. W., & Nield, H. K., 20 New Bridge St., E.C.
f† Moore-Smith, J. R., 14 Union Court, Old Broad St., E.C.
a Mootham, D. G., 87 Buckingham Palace Rd., S.W.
Morgan, C. L., 43 Cannon St., E.C.
Morley, W. J. (f) & Son, Craven House, Kingsway, W.C.
Morphew, R., 10 New Square, Lincoln's Inn, W.C.
a Morrice, A. G., 84 Trinity Rd., Upper Tooting, S.W.
Morris (†) & Ryan (†), 1 Metal Exchange Buildings, Whittington Avenue, E.C.
Morris, G. L., 40 Finsbury Square, E.C.
Morton, A. C., 124 Chancery Lane, W.C.
Moscrop-Young, F.C., 12 Buckingham St., Strand, W.C.
Moss, T. W., 7 Gray's Inn Place, W.C.
Motte, A. C., 7 Selwyn Rd., Craven Park, N.W.
Moulds (f) & Porritt, 52 Queen Victoria St., E.C.
f Mountford, E. W., Norwich House, Southampton St., Bloomsbury, W.C.
Mowbray, C. M., 104 Hungerford Rd., N.
Muggeridge & Co., 5 Bury St., Bloomsbury Sq., W.C.
Muir & McIlwraith, 42 Bloomsbury Square, W.C.
a Muller, J. J., 12 Clevedon Mans., Highgate Rd., N.W.
a Mundy, T. E., 6 Lincoln Street, Sloane Square, S.W.
Murray, A. (f), & Son, 11 Great James' St., Bedford Row, W.C.
f Murray, J., 11 Suffolk St., Pall Mall, S.W.
f Murray, J. C. T., 35 Old Queen St., Westminster, S.W.
Murray, R. C., 1 Racquet Court, E.C.
Murray, T. E. & Son, 10 Blandford Rd., Bedford Pk., W
a Murrell, H. F., 7 Thurlow Park Rd., Dulwich, S.E.
f Naylor, J. J. S., 19 Hanover Square, W.
f Neale, J., 10 Bloomsbury Square, W.C.
Needham, J. G. (†) & H. G., 16 St. Helen's Place, E.C.
a Nelson, C. O., 1 Furnival St., W.C.
Nevinson, E. (a), & Newton (a), 7 Staple Inn, Holborn, W.C.
New, E. V. (a) & Son, 62 George St., Manchester Square, W.
Newborn, C. R., Outer Temple, Strand, W.C.
Newcombe & Womersley, 2A Pembroke Rd., Kensington, W.
Newell, T., 159 Fenchurch St., E.C.
Newlyn, H. M., 40 Old Broad St., E.C.
Newman, A. H. (f), and Newman, D. (f), 31 Tooley St., S E.
Newman (a) & Jacques (a), 2 Fen Court, Fenchurch St., E.C.
a Newman, P.C., 4 Trefoil Rd., Wandsworth Com., S.W.
a Newnham, J., 89 Chancery Lane, W.C.
f Newton, E., 4 Raymond Bldgs., Gray's Inn, W.C.
Newton, F. G., 8 Clifford's Inn, W.C.
Newton-Mason, H. T. C., 166-167 Birkbeck Bank Chambers, Holborn, W.C.
Newton, P. E., 16 Russell Sq., W.C.
a Nicholas, C., 19 Hanover Square, W.
Nichols, D. C., Sons & Chuter, 3 Howard St., Strand, W.C.
Nicholson (f) & Corlette (f), 2 New Square, Lincoln's Inn, W.C.
Nicholson, E. J., 13 Heathcote St., W.C.
Nicks, A. E., 1 Thurleigh Mansions, Thurleigh Rd. Wandsworth Common, S.W.
f Nield, G. E., The Outer Temple, Strand, W.C.
Nightingale, A. E., "Rossignol," Chartfield Avenue, Putney, S.W.
Nightingale, H. C., 27 King William St., E.C.
Niven (f) & Wigglesworth (f), 104 High Holborn, W.C.
Nodes-Lello, M., 100 Belsize Rd., S. Hampstead, N.W.
North, D. H., 62 & 63 Basinghall St., E.C.
North (a) & Robin, 203 Strand, W.C.
a Northcote, A.E., 17&18 Tothill St., Westminster, S.W.
Norton, C. H., 14 Bedford Row, W.C.
Notley & Taylor, Finsbury Pavement House, E.C.
a Notley, A. C., St. Lawrence House, Trump St., E.C.
f Notley, R. P., 11 Paradise Row, Cambridge Rd., E.
Noyes, J. G. F., 42 Half-moon St., Piccadilly, W.
Nunn, S. T., 23 King's Rd., Willesden Green, N.W.
Nutter, A. E., 13 Chelmsford Rd., Leytonstone, E.
Oakley, W., 29 Charles St., St. James's, S.W.
Oakley, W. H., 14 Henrietta St., Covent Garden, W.C.
Ogden, M. G., 80 Coleman St., E.C.
Oglesby, R. P., 28 Upper Bedford Place, W.C.
Oldacre, R. S., 104 High Holborn, W.C.
Oliver, R. D., 38 Soho Square, W.
† Osborn, A. W., 90 Queen St., Cheapside, E.C.
a Page, E. G., 2 Old Serjeant's Inn, Fleet St., E.C.
Pailthorpe, S. G., 50 Finsbury Square, E.C.
Paine, E. J., 11 Great James St., W.C.
† Paine, G. H., 62 Moorgate St., E.C.
Palgrave, P., & Co., 28 Victoria St., S.W.
a Palmer, C. T., 42 Castlewood Rd., Stamford Hill, N.
† Palmer, H. W. H., The Outer Temple, 222 Strand, W.C
Pamphilon, W. J., 21 Finsbury Pavement, E.C.
a Papworth, A. W., 115 St. Mary's Mansions, Maida Hill West, W.
Pargeter, G. H., 95-7 Finsbury Pavement, E.C.
Parker & Unwin (†), "Wyles," North End, Hampstead, N.W.
† Parker, J. F., 18 Coleman St., E.C.
Parker, S., 313 Birkbeck Bank Chmbrs, Holborn, W.C.
Parker, W. J., 38 Great James St., W.C.
Parkes, E. H., 15 St. James Mans., W. End Lane, N.W.
Parkinson, A. K., 120 Sunny Hill Rd., Streatham, S.W.
a Parkinson, C. E. L., 44 Bedford Row, W.C.
Parr & Sons, New Broad St. House, E.C.
Parry, A. W., & Son, 82 Victoria St., S.W.
a Parry, S. G., 34 Victoria St., S.W.
a Patrick, G., 1 Gresham Bldgs., Basinghall St., E.C.
Paul, J. S. (a), & Son, 31 Bedford Row, W.C.
Paul, R. W., 3 Arundel St., Strand, W.C.
Paull, A., 6 Quality Court, Chancery Lane, W.C.
Pawley, C. J. C., 25 Victoria St., S.W.
a Paxon, J., & Witt, F., Colchester Av., Manor Park, E.

f Payne, A , Norfolk House, Norfolk St., Strand, W.C.
a Payne, E. H., 11 John St., Bedford Row, W.C.
a Payne, J., Broad St. House, New Broad St., E.C.
a Payne, W. S., 10 City Road, Finsbury Sq., E.C.
f Peach, C. S., 28 Victoria St., S.W.
Peache, G. A., Broad Sanctuary Chmbs., Tothill St., S.W.
Pearce, E. A., Engineer's Office, L.B. & S.C. Ry., London Bridge, S.E.
Pearce, R. L., 100c Queen Victoria St., E.C.
† Pearson, F. L., 12 Mansfield St., Portland Place, W.
Pearson, G. (a), & Son, 58 Moorgate St., E.C.
Pearson (a) & Milburn, 27 Chancery Lane, W.C.
Pearson, L. L., 142 Norwood Rd., West Norwood, S.E.
Pechell, M. G., 7 John St., Bedford Row, W.C.
a Peck, F., 27 Old Queen St., Westminster, S.W.
f Peel, F. W., 2 Priory Gdns., Bedford Park, W.
Peers, C. R., 4 North St., Westminster, S.W.
f Pelly, H. A., 145 Gresham House, E.C.
f Penfold, J. W., 34 Gt. George St., S.W.
Pennington & Son, 17 Hanover Square, W.
Penty, A. J., 57 Weltje Rd., Hammersmith, W.
Percival, H., 12 Craven St., Strand, W.C.
f Perks, S., The Guildhall, E.C.
Perry & Angell, 7 York Bldgs., Adelphi, W.C.
Perry & Reed (f), 9 John Street, Adelphi, W.C.
+ Pertwee, W. H., 14 Clifford's Inn, E.C.
Petch, W., 181 Queen Victoria St., E.C.
Peters, R., Wool Exchange, Coleman St., E.C.
Pett, A. E., 18 Powerscroft Rd., Lower Clapton, N.E.
Pettit, S. D. T., 159 Fenchurch St., E.C.
f Phene, J. S., 32 Oakley St., Chelsea, S.W.
Phillips, H., 145 Walworth Rd., S.E.
Phillips, W. C., 40 Bishopgate St., Within, E.C.
Phillips, W. R., 114 Church St., Paddington, W.
Phipps, P., 9&10 Queen Anne's Chmbrs., Tothill St., S.W.
Pilditch, Chadwick & Co., 2 Pall Mall East, S.W.
Pilkington, A. J., 1 Lincoln's Inn Fields, W.C.
Pinchbeck, J. B., 92 Hampstead Rd., N.W.
a Pinches, F., 5 John St., Adelphi, W.C.
Pinhey, W. B., 8 King William St., Strand, W.C.
Pinkerton, G., 10 Lincoln's Inn Fields, W.C.
a Piper, C. W., 46 Shooter's Hill Rd., Blackheath, S.E.
Pippette, R. I. H., 457 Brixton Rd., S.W.
f Pite, A. B., 2 York Gate, Baker St., N.W.
f Pite, W. A., 116 Jermyn St., S.W.
Pither, F. L, 91 Tollington Park, N.
Plumbe (f) & Harvey (a), 13 Fitzroy Square, W.
Poland, C. F. A., 6 John St., Bedford Row, W.C.
a Pole, T. A., 10 Gray's Inn Square, W.C.
a Poley, E. W., 6 Lancaster Place, Strand, W.C.
Pollard, H. E., 13 Henrietta St., Covent Garden, W.C.
a Poole, W. C., 62 Belleville Rd., Wandsworth Com., S.W.
Pooley & Follett, 21 John St., Adelphi, W.C.
Porter, F. W., & Hill, S., 16 Russell Square, W.C.
Porter, O. J., 51 Moorgate St., E.C.
Poston, H., 39 Lombard St., E.C.
a Potter, F. I., 44 Great Russell St., W.C.
Potter, W. F., 18 York Grove, Queen's Rd., Hatcham, S.E.
Powell & Co., 89 Chancery Lane, W.C.
Powell, C. E., 16 Clifford's Inn, Fleet St., E.C.
f Powell, E. T., 25 Queen Anne's Gate, S.W.
f Powell, F. A., 344 Kennington Rd., S.E.
a Power, C. E., 97 Queen Victoria St., E.C.
Power, E., 97 Queen Victoria St., E.C.
Pownall, F. H., Guildhall, Westminster, S.W.
f Poynter, A., 8 Southampton St., Bloomsbury Sq., W.C.
a Pratt, G. P., 44 Theobald's Rd., W.C.
f Pratt, H. W., 168 Fleet St., E.C.
f Prentice, A. N., 10 Norfolk St., Strand, W.C.
Prickett & Ellis, 57 Chancery Lane, W.C.
Pridmore (+), & Anderson (a), 2 Broad St. Bldgs., E.C.
Pridmore, A. S., 140 Junction Rd., N.
a Prince, H., 15 Clifford's Inn, Fleet St., E.C.
Prior, E. S., 3 Old Serjeant's Inn, Chancery Lane, W.C.
Proctor, B., 17 Surrey St., Strand, W.C.
Procter, E., 83 St. Paul's Churchyard, E.C.
+ Prosser, H., Archts. Dept., Education Committee Offices, High Street, Walthamstow, N.E.
a Protheroe, F., 25 Old Queen St., Westminster, S.W.
a Pryce, T. E., 10 Gray's Inn Square, W.C.
f Prynne, G. H. F., 6 Queen Anne's Gate, S.W.
Pugh, J., 11 Poultry, E.C.
Pugin & Pugin, 159 Kensington High St., W.
Punnett, W. H., 63 Moorgate St., E.C.
f Purchase, E. K., 20-22 Maddox St., W.
Putley, F. M., 18 Adam St., Adelphi, W.C.
+ Pye, G. G., 10 Ranelagh Gardens, S.W.
Pye, H. W., 16 John St., Bedford Row, W.C

Quennell, C. H. B., 17 Victoria St., S.W.
Quilter, J. S. (f), & Son, 1 & 2 Adam St., Adelphi, W.C.

Radford, A. A., 28 Great College St., N.W.
Radford, J. C., 189 Up. Richmond Rd., Putney, S.W.
Raffles, W. H., 10 Gray's Inn Square, W.C.
Rawlings, E., 16 Victoria St., S.W.
a Rawlins & Co., 46 Queen Victoria St., E.C.
a Rawlinson, J., 11 Adam St., Strand, W.C.
Ray & Murrells, 7 Pont St., Belgrave Square, S.W.
Read, H. (f), & MacDonald, R. F. (f), 4a Cork St., Bond St., W.
a Rees, S. P., 25 Bartholomew Rd., N.W.
Reeve, J. A., 10 Queen Anne's Gate, S.W.
a Reeves, C. W., 3 Gray's Inn Square, W.C.
a Reilly, Prof. C. H., 23 St. Swithin's Lane, E.C.
Rhodes, J. W., 4 Mitre Court, E.C.
f Ricardo, H., 13 Bedford Sq., W.C.
Richards, S., 43 Elmwood Rd., Herne Hill, S.E.
+ Richards, T. R., 42 Theobald's Rd., W.C.
Richardson (+) & White (a), 22 King St., Hammersmith, W.
Richardson, J., 1 Gresham Bldgs., Basinghall St., E.C.
Riches, H., 3 Crooked Lane, King William St., E.C.
Rickman (a) & Burr, 8 Montague St., Russell Sq., W.C.
+ Ridge, A. M., 123 and 124 Newgate St., E.C.
Ridge, L. W. F., & Weymouth, W. C. (a), 104 High Holborn, W.C.
f Riley, W. E., London County Council, Spring Gdns., S.W.
Rings & Myers, 21 Railway Apph., London Bridge, S.E.
f Rising, H. W., Oswoldestre Ho., Norfolk St., Strand, W.C.
a Rix, R. A., 26 Budge Row, E.C.
f† Roberts, A., 92 London St., Greenwich, S.E.
Roberts, H., 113 Lewisham Rd., S.E.
Roberts, P. M., 519 Birkbeck Bk. Chbs., Holborn, W.C.
Robertson, R., 45 St. Mary's Mansions, Paddington, W.
Robertson, W. W., H.M. Office of Works, Storey's Gate, S.W.
a Robinson, K. D. S., 7 Carteret St., Westminster, S W.
f Robson, E. R., 9 Bridge St., Westminster, S.W.
f Roe, R. M., 62 and 63 Basinghall St., E.C.
Rogers, Bone (f) & Coles (a), 7 Carteret St., Westminster, S.W.
Rogers, F., 10 York Buildings, Adelphi, W.C.
Rogers, H. S., 7 Dean's Yard, Westminster, S.W.
Rogers, W. H., 53 Clapham Rd., S.W.
Rolfe & Matthews, 3 Adelaide St., Charing Cross, W.C.
a Rollo, A., 11 Hammersmith Terrace, W.
Romaine-Walker (a) & Besant, 6 Old Bond St., W.
Rooke, A. B., 11 Great James St., Bedford Row, W.C.
a Roper, F. W., 9 Adam St., Adelphi, W.C.
Roumieu (a) & Aitchison (a), 10 Lancaster Place, Strand, W.C.
f Rowntree, F., 11 Hammersmith Terrace, W.
+ Rudkin, F., 25 John St., Bedford Row, W.C.
Runtz, E. & Ford, Brook House, Walbrook, E.C.
Rushton, H. J., 52 Cannon St., E.C.
a Russell, G. L., 7 Manor Rd., Bowes Park, N.
f Russell, R. F., 6 Moorgate St., E.C.
f Russell, S. B., 11 Gray's Inn Sq., W.C.
Russell, T. H., 3 Bloomsbury St., W.C.
Ruthen, C. T., 12 Buckingham St., Strand, W.C.
Rutley, C. & F., 11 Dowgate Hill, E.C.
a Ryde, F. C., 29 Great George St., Westminster, S.W.
Sachs, E. O., 7 Waterloo Place, Pall Mall, S.W.
f† Sadgrove, E. J., 4 Southampton Row, W.C.
a St. Aubyn, F. W., 2 Lambe Building, Temple, E.C.
Salmon, C. E. 15 Finsbury Circus, E.C.
Salter, Issott & Salter, 13 Phœnix St., N.W.
Salter, S. (f), & Adams, 28 Woburn Place, W.C.
Sanders & Finch, 62 Lincoln's Inn Fields, W.C.
Sanders, W. E., 118 Camden Rd., N.W.
Sarel, W., Queen Anne's Chmbrs., Westminster, S.W.
f Satchell, H. A., 3 Staple Inn, Holborn, W.C.
a Saul, H. A., 10 Gray's Inn Square, W.C.
Saunders, G. (f), & Son, 111 King St., Hammersmith, W.
a Saunders, H. S., 4 Coleman St., E.C.
Saunders, J., 4 Coleman St., E.C.
a Saunders, M. L., 4 Coleman St., E.C.
Saunders, R., 62 Bishopsgate St. Without, E.C.
Saville (+) & Martin (+), Dacre House, Arundel St., Strand, W.C.
f Sawyer, J., 63 and 64 Chancery Lane, W.C.
a Sayer, C. E., 17 Soho Square, W.
Schneider, E., 44 Cheriton Sq., Upper Tooting, S.W.
Schultz, R. W., 14 Gray's Inn Square, W.C.
a Scorer, G. O., 22 Surrey St., Strand, W.C.
Scott (+), Hanson & Fraser, 10 Basinghall St., E.C.
Scott, G. G., 7 Gray's Inn Square, W.C.
Scott, J., 23 Bedford Row, W.C.
a Scott, J. D., 23 Bedford Row, W.C.
Scott, J. O. (f) & Son, 2 Dean's Yard, Westminster, S.W.
f Scott, W. G., 25 Bedford Row, W.C.
a Scrymgour, W. H., 13 Lovell's Ct., Paternoster Row, E.C.
Searle, C. G., & Son, 16 Southwark St., S.E.
Searle (a) & Searle (a), Paternoster House, E.C.
f Searles-Wood, H. D., 157 Wool Ex., Coleman St., E.C.
f Sears, J. B., 214 Birkbeck Bank Chmbrs., Holborn, W.C.
Seddon, G. F., 10 Warwick Court, Holborn, W.C.
Sedger, G., 26 Great James St., W.C.
Selby & Kislingbury, 44 Chancery Lane, W.C.
a Selby, E. H., 8 Buckingham St., Strand, W.C.
Serle, W., 89 Chancery Lane, W.C.
Seth-Smith (f) & Monro (+), 46 Lincoln's Inn Fields, W.C.
Sewell, C., 101 St. John's Hill, Wandsworth, S.W.
f Sexton, G. A., 42 High Rd., Kilburn, N.W.
Sharp, J., 17 De Crespigny Park, Denmark Hill, S.E.
Sharp, L., 3 Duke St., Adelphi, W.C.
Sharpe, G. F., 57 & 58, Chancery Lane, W.C.
Shaw, H , 60 Nicoll Rd., Harlesden, N.W.
Sheen, W., 17 Victoria St., S.W.
f Sheffield, H. N., Armitage Lodge, Upper Sydenham, S.E.
Sheffield, J. R. A., 8 Coolhurst Rd., Crouch End, N.
a Sheppard, A. W., 43 Chancery Lane, W.C.
f Sherrin, G., 44 Finsbury Square, E.C.
a Shield, E., 25 Bedford Row, W.C.
a Shiner, C. M., 110 Hamilton House, Bishopgate St. Without, E.C.
Shirley, W. K., 12 Buckingham St., Adelphi, W.C.
Shoppee, C. H. (f), & Son, 22 John St., Bedford Row, W.C.
Silley, A. & G. M., 17 Craven St., Strand, W.C.
a Sills, F., 30 Norfolk St., Strand, W.C.
a Sim, E. H., 14 Norfolk St., Strand, W.C.
Simmons, H. C., 9, Gray's Inn Sq., W.C.
Simmons, W., 10 John St., Adelphi, W.C.
Simpson (f) & Ayrton (a), 3 Verulam Bldgs., Gray's Inn, W.C.
f Simpson, F. M., 88 Gower St., W.C.
Simpson, G., 2 Princes St., Hanover Square, W.
f Sirr, H., 50 Twisden Rd., Highgate Rd., N.W.
Skipworth, A. H., 5 Staple Inn, W.C.
f Slade, B., 27B Charles St., Berkeley Square, W.
f Slater, J., 46 Berners St., W.
a Smallman, H. R. G., 8 Queen St., E.C.
+ Smedley, G. P., 110 St. Martin's Lane, W.C.
Smee (+) & Houchin, 82-85, Fleet St., E.C.
f Smith & Brewer, 2 Gray's Inn Sq., W.C.
Smith, C. G., 56 Cannon St., E.C.
a Smith, C. W., 16 Finsbury Circus, E.C.
f Smith, F. A., 35 New Broad St., E.C.
f Smith, F. J., Parliament Mansions, Victoria St., S.W.
f Smith, J. O., 7 Old Queen St., Westminster, S.W.
Smith, J. T., 10 York Bldgs., Adelphi, W.C.
f Smith, J. H., 41 Moorgate Station Bldgs., E.C.
Smith, J. R., 14 Union Court, Old Broad St., E.C.
Smith, M. M., 62 Berners St., W.
f Smith, S. R. J., York Bldgs., Adelphi, W.C.
Smith, T. H., 17 and 18 Basinghall St., E.C.
Smith, T. R. (f), and Son (f), 130 Temple Chambers, Whitefriars, E.C.
a Smith, W., 65 Chancery Lane, W.C.
f Snell, A. S., 22 Southampton Blgs., Chancery La., W.C.
f Solomon, L., 16 Union Court, Old Broad St., E.C.
+ Souttar, J. A., 41 Bishopsgate St., E.C.
Spalding (f) & Spalding (a), 36 & 37 King St., E.C.
f Spaull, W. H., 4 Verulam Bldgs., Gray's Inn, W.C.
a Speed, E., 22 Chancery Lane, W.C.
a Spiers, W. L., 13 Lincoln's Inn Fields, W.C.
Spooner & Cobbold, 17 Bedford Row, W.C.
Sprague, W. G. R., 10 & 11 Jermyn St., S.W.
Spratt, E. F. A., 90-91 Queen St., E.C.
Spratt, H. W., 46 Queen Victoria St., E.C.
+ Stair, W., 9 Queen Victoria St., E.C.
Stanger, C., & Son, 21 Finsbury Pavement, E.C.
Stanham, G. G., 26 & 27, Bush Lane, Cannon St., E.C.
Stanton, S. J. B., 47 Cavendish Rd., Brondesbury, N.W.
Stark, M., 96 Barrow Rd., Streatham, S.W.
f Statham, H. H., "Builder" Office, Catherine St., Strand, W.C.
Stedman, A. J., 133 Finsbury Pavement, E.C.
Stenning, A. R. (f), & Partners, 121 Cannon St., E.C.
Steljes, W. C., 90 Antill Rd., Tottenham, N.
Stephens, A. K., 22 Great Winchester St., E.C.
Stephens, C. W., 49 Hans Rd., Chelsea, S.W.
Stephenson, G., 14 Queen Victoria St., E.C.
a Stevens, J. W., 21 New Bridge St., E.C.
Stevens, W. H., 21 Ashchurch Grove, Ravenscourt Park, W.
a Stevenson, G. D., 13 & 14 King St., Cheapside, E.C.
Stevenson, J. J. (f), & Redfern, H., 4| Porchest Gardens, W.
Stuart, D., 19 Old Queen St., S.W.
Stewart, W., 4 & 5 Aldgate, E.
Still, W. & L., 19 Basinghall St., E.C.
a Stimson, E. C., 22 Atherton Rd., Forest Gate, E.
Stock, H. (f) & Page, R. (f), 9 Denman St., London Bridge, S.E.
Stockdale, J. C., 16 Hart St., Bloomsbury, W.C.
Stodart, E. H., & Co., 231 Strand, W.C.
Stokes, A. P., 1 Addington Road, Bow, E.
f Stokes, L., 2 Great Smith St., Westminster, S.W.
Stone & Colquhon, 6 York Buildings, Adelphi, W.C.
Stone, C., 4 & 5 King St., Covent Gardens, W.C.
Stone, H. W., 2 Great Winchester St., E.C.
Stones, E., 1 Trump St., King St., E.C.
a Stonhold, J. W., 334 Birkbeck Bank Chmbrs., Holborn, W.C.
a Stratton, A., 16 Hart St., Bloomsbury Square, W.C.
+ Streatfeild, G. E. S., 9 Stone Bldgs., Lincoln's Inn, W.C.
f Street, A. E., 24A Bryanston Sq., W.
a Street, E., 6 King's Bench Walk, Inner Temple, E.C., and 109 Bow Rd., E.
+ Strevens, E. J., 292 Camberwell New Rd., S.E.
Strudwick J. H., & Son, Falcon Ct, 32 Fleet St., E.C.
Stuart, A., 61, West Smithfield, E.C
Stubbs, E. J., 30 Craven St., W.C.
f Style, A. J., 3 Victoria St., Westminster, S.W.
Sutcliffe (a) & Sutcliffe, 11 Argyll Place, W.
Swan & Norman, 8 Clifford's Inn, Fleet St., E.C.
f Sykes, A., 45 Finsbury Pavement, E.C.
f Tabberer, B., 13 Basinghall St., E.C.
f Tanner, Sir Henry, H.M. Office of Works, Storey's Gate, S.W.
a Tanner, H., junr., 12 Regent St., S.W.
a Tanner, H. W. G., Clerk of Works Office, Victoria and Albert Museum, South Kensington, W.
Taperall, F., & Haase, 9 John St., Adelphi, W.C.
a Tapper, W. J., 10, Melina Place, St. John's Wood, N.W
f Tarring, F. W., 26 Coolhurst Rd., Crouch End, N.
Tasker, (a) & Slater, 2 John St., Bedford Row, W.C.
Tasker, G. R., & Sons, 38 John St., Bedford Row, W.C
Tasker, H. H., 43 Penton St., Pentonville, N.
Tatchell, S. J., 13 Queen Anne's Gate, S.W.
Tatham, S. R., 2 Clement's Inn, W.C.
a Taylor, A. E., 40 Chancery Lane, W.C.
a Tayler, A. S., 27 Old Queen St., S.W.
a Taylor, F. S., 9 Staple Inn, Holborn, W.C.
Tee, S. C., 50 Moorgate St., E.C.
Telfer, F. P., 9 Southampton St., Bloomsbury, W.C.
f Tenison, A. H. R., 12 Little Coll. St., Westminster, S.W.
Theobald, H., 6 South St., Finsbury Pavement, E.C.
Theobalds, F., 14 South Norwood Hill, S.E.
Theobads, W., 26 Budge Row, E.C.
f Thomas, Sir A. B., 5 Queen Anne's Gate, S.W.
Thomas, E. M., 5 Queen Anne's Gate, S.W.
Thomas, T. G., 36 Gt. James St., Bedford Row, W.C.
Thompson & Walford (a), Leadenhall Buildings, E.C
Thompson, C., 21 Camomile St., E.C.
a Thompson, E. P., 25 Finsbury Square, E.C.
Thompson, J. A., 4 Lancaster Place, Strand, W.C.
Thompson, W. H., 30 John St., Bedford Row, W.C.
Thorn, Trehearne & Norman, 45 Lincoln's Inn Fields W.C.

Thorp, J. B., 98 Gray's Inn Rd., W.C.
Thorpe. Furniss & Elkington, 154 High St., Camden Town, N.W.
Tidman, E., & Son, 34, Victoria St., S.W.
f Tiltman, A. H., 1 Raymond Bldgs., Gray's Inn, W.C.
f Todd, F., 34 Essex Street, Strand, W.C.
Todd, P., & Wrigley, F. (*a*), 12 Regent St., W.
Tolley, G., Bank Chambers, Forest Hill, S.E.
Tolley, J., & Son (*a*), 9 Queen Victoria St., E.C.
a Torrance, A. M., 28 Budge Row, E.C.
Tower, W. E., 27, Nottingham Place, W.
f Townsend, C. H., 32 Great George St., S.W.
a Towse, S., 8 New Square, Lincoln's Inn, W.C.
Treacher & Son, 73 Moorgate St., E.C.
Treadwell & Martin (*f*), 29A Charing Cross Rd., W.C.
f Tree, P., 63 Queen Victoria St., E.C.
Tregelles, J. A., 7 Bishopsgate St. Without, E.C.
Trent, W. E., 6 Broad St. Place, E.C.
† Tribe, A. W., 120 Clapham Rd., S.W.
a Troup, F. W., 14 Gray's Inn Square, W.C.
Tubbs, C. B., & Messer, A.A., 121 Westminster Bridge Rd., S.E.
f† Tubbs, P. B., 68 Aldersgate St., E.C.
Tucker (*a*) & Huntley, 22 Buckingham St., Strand, W.C.
† Tucker, B. R., 41 Sisters Av., Clapham Common, S.W.
Tudor, C., 32 Cambridge Gardens, Notting Hill, W.
Turner & Holditch, 160 Stoke Newington Rd., N.
a Turner, H. G., 58 Theobald's Rd., W.C.
a Turner, P. J., Parliament Mansions, Victoria St., S.W.
Tyas & Jago, 10 John St., Adelphi, W.C.
Tyas, F. C., 3 Elm Park, Brixton Hill, S.W.
Tyler, R. E., 11 Pancras Lane, Queen St., E.C.
f Underwood, E. S., 3 Queen St., E.C.
a Vacher, S., 35 Wellington St., Strand, W.C.
Veale, C. L., H.M. Office of Works, Storey's Gate, S.W.
† Veale, L. C., 23 Devereaux Court, Strand, W.C.
a Vercoe, W. A., 10 Culverley Crescent, Catford, S.E.
f Verity, F. T., 7 Sackville St., W.
Vernon, A., 9 Strand, W.C.
Vernon, G., 6 Mortimer St., W.
Vickers, A. E., 60 Queen Victoria St., E.C.
a Vickery, G., 50 Gresham St., E.C.
Victor, E. A., 5 Arlington St., Piccadilly, W.
Vigers, A. F., 4 Frederick Place, Old Jewry, E.C.
f Vigers, E., 9 Bridge St., Westminster, S.W.
Vigers, S., Heckfield Place, Walham Green, S.W.
Vining, J. R., 89 Chancery Lane, W.C.
Voysey, C. F. A., 23 York Place, Baker St., W.
Waddell, D. H., 16 John St., Bedford Row, W.C.
f Wade, F. B., 148A Sloane St., S.W.
f Wadling, H. J., 2 Lambe Bldg., Temple, E.C.
a Wadmore, B., 8 New Square, Lincoln's Inn, W.C.
a Wager, J., H.M. Office of Works, Storey's Gate, S.W.
Waghorn, F., 62 & 63 Basinghall St., E.C.
Wakeford, H. & Sons, 267 Clapham Rd., S.W.
† Wakelam, H. T., Guildhall, Westminster, S.W.
Wakley, H. M., 11 Adam St., Strand, W.C.
Walker, J. E., 84 Davenport Rd., Uxbridge Rd., W.
Walker, W. T., 40 Finsbury Square, E.C.
Wallace, A. G., 7 Dean's Yard, Westminster, S.W.
Wallace, W., 27A Old Bond St., W.
Wallen, F., 96 Gower St., W.C.
† Wallis, T., 36 Maiden Lane, Strand, W.C.
a Wallis, W. E., 12 Buckingham St., Strand, W.C.
Walters, F. A. (*a*), & H. B. (*a*), 37 Old Queen St., Westminster, S.W.
Walton, G., 225 High St., Kensington, W.
Ward, S., 59 Archer St., W.
a Ward, W. H., 28 Theobald's Rd., W.C.
Waring & Nicholson, 38 Parliament St., S.W.
Warre, E. L., 19 Old Queen St., Westminster, S.W.
f Warren, E. P., 20 Cowley St., Westminster, S.W.
Warwick, S. (*a*) & Hall, H. A. (*a*), 13 South Square, Gray's Inn, W.C.
f Waterhouse, P., Staple Inn Bldgs., W.C.
† Waterworth, J. H., 281A Queen's Rd., New Cross Gate, S.E.
Watkins, C., Glebe House, Sherborne Lane, E.C.
Watney, D., 4A Frederick's Place, Old Jewry, E.C.
a Watson, A. D., 34 Gt. James St., Bedford Row, W.C.
Watson, P. H., 4 Adam St., Adelphi, W.C.
Watson, T. H. (*f*), & A. M. (*a*), 9 Nottingham Place, W.
Watts, W. J., 54 Anerley Park, Anerley, S.E.
Waymouth, G., Raymond House, Theobald's Rd., W.C.
Weatherley (*f*) & Jones, 30 Cockspur St., S.W.
f Webb, Sir Aston, 19 Queen Anne's Gate, S.W.
Webb, B. H., 14 South Square, Gray's Inn, W.C.
a Webb, W. A., 23 Powis Square, W.
Webbe, A. A., 2 Romola Rd., Herne Hill, S.E.
Webbe, T. O., 16 Marsden Rd., East Dulwich, S.E.
Webber, F. S., 74 South Hill Park, Hampstead, N.W.
Webber, H., 523 Birkbeck Bank Chbrs., Holborn, W.C.
Webster (*a*) & Forbes, 487 New Cross Rd., S.E.
Weir, Burrows & Weir, 17 Victoria St., S.W.
Wells, C. S., 73 Parkhurst Rd., N.
West, A. W., 44A & B Maddox St., W.
West, W., 19 Craven St., Strand, W.C.
Westcott, J. B., H.M. Off. of Wks., Storey's Gate, S.W.
a Wetenhall, E. B., 27 Sackville St., W.
a Weymouth, R. H., 3 Victoria St., S.W.
Wheeler, F. (*f*), & Son, 6 Staple Inn, Holborn, W.C.
Whiddington, W., 71 Queen St., Cheapside, E.C.
f Whinney, T. B., 8 Old Jewry, E.C.
a Whitaker, E. M., Gresham Bldgs., Basinghall St., E.C.
† Whitburn, H. A., 22 Surrey St., Strand, W.C.
a Whitcombe, A., 5 Newman St., Oxford St., W.
a Whitcombe, C. F., 29 Winchester House, E.C.
White, E., 7 Oldbury Place, Nottingham St., S.W.
White, H. D., 12 Craven Street, Strand, W.C.
f White, W. H., 14A Cavendish Pl., Cavendish Sq., W.
Whitfield, R. O., & Thomas, J. A., 60 Haymarket, S.W.
Whyte, E. T., 31 Charing Cross, S.W.
Wigens, C., 78 Earlsfield Rd., Wandsworth Com., S.W.
Wilkins, E., 26 Budge Row, E.C.
Wilkins, V., 24 Finsbury Square, E.C.
Wilkinson, H. D., 7 Yerbury Rd., N.
f Wilkinson, P. A. C., Craven House, Kingsway, W.C.
a Wilkinson, R. S., 38 Great James St., W.C.
f Williams, A., 34, Henrietta St., Covent Garden, W.C.
Williams, A. C., 14 Gt. James' St., Bedford Row, W.C.
f Williams, E. J., 29 John St., Bedford Row, W.C.
a Williams, F. E., 34 Henrietta St., Covent Garden, W.C.
f Williams, R., 10 Clifford's Inn, Fleet St., E.C.
Williams, T. E., 131 Victoria St., S.W.
Willis (*a*) & Leslie, 34 Ely Place, Holborn Circus, E.C.
a Willock, R., 76 Finsbury Pavement, E.C.
Willoughby, R. C., 61 & 62 Chancery Lane, W.C.
Wills (*a*) & Anderson (*a*), 24 Bloomsbury Sq., W.C.
a Wills, F. R. G., 10 John St., Adelphi, W.C.
Wills, G. B., 7 Stone Buildings, Lincoln's Inn, W.C.
Wilson, A., 3 Old Serjeant's Inn, Fleet St., E.C.
a Wilson, A. N., 28 Martin's Lane, Cannon St., E.C.
f Wilson, B., 45 Gower St., W.C.
Wilson, G. L., & Co., Ld., 517 High Rd., Tottenham, N.
f Wilson, W. G., 24 Hart St., Bloomsbury Sq., W.C.
Wilson, W. S., 290 Mount Pleasant Rd., Tottenham, N.
Wimperis, E. (*f*), & Best (*a*), 6 Vigo St., W.
† Winder, W. H., 48 Bedford Row, W.C.
Windsor, F. E., 22 Southampton St., Bloomsbury, W.C.
a Winstanley, H., 10 Basinghall St., E.C.
Winterburn, A. H., 118 Victoria St., S.W.
Wire, W. T., 29 Great George St., S.W.
a Wise, H. J., 7 Great James St., Bedford Row, W.C.
Witherington & Hogwood, 33 Great Tower St., E.C.
a Wonnacott, W., 199 Piccadilly, W.
Wood, A. J., 22 Surrey St., Strand, W.C.
Wood, W. J., 1 Finsbury Circus, E.C.
Woodard, J. T., 13 Bedford St., Strand, W.C.
f Woodd & Ainslie, 20 Tothill St., Westminster, S.W.
Woodhouse, A. E., 46 Siddon's Rd., Perry Vale, S.E.
a Woodington, H. A., 130 Jermyn St., S.W.
f Woodrooffe, W. H., 32 High St., Southwark, S.E.
Woodrow (*f*) & Helsdon (*f*), 67 & 69 Chancery Lane, W.C.
Woodward, G. G., 181 Queen Victoria St., E.C.
Woodward, J. A. J., & Sons, 69 Kennington Oval, S.E.
f Woodward, W., 13 Southampton St., Strand, W.C.
f Worley, C. H., 62 Welbeck St., W.
Worley, R. J., 170 Strand, W.C.
f Wornum, R. S., 26 Bedford Square, W.C.
Worsfold & Hayward, 80 Cannon St., E.C.
a Worsley, A. H., St. Stephen's Ho., Westminster, S.W.
Wratten, E. L. (*a*), & Godfrey, W. H., 11 Carteret St., Westminster, S.W.
Wright, A. G., 2 Old Queen St., Westminster, S.W.
Wright, H. A., 21 Buckingham St., Strand, W.C.
Wyand, A. G., 33 Marloes Rd., Kensington, W.
† Wyatt, H. P., 18 Angell Rd., Brixton Rd., S.W.
Wyatts, Burgoyne & Wyatts, 14 Wormwood St., E.C.
Wyles, J. W., 708 Romford Rd., E.
Wylson, O. C. (*f*), & Long, 16 King William St., Strand, W.C.
a Yates, T. C., 20 Sloane St., S.W.
Yetts (*f*), Sturdy (*a*) & Usher, 45 Finsbury Pavt., E.C.
† Youlten, W., 159 Victoria St., S.W.
Young, A., 35 John St., Bedford Row, W.C.
a Young, C., 6 Lancaster Place, Strand, W.C.
a Young, E. A., 31 Craven St., Strand, W.C.
Young, J., Son & Johnson (*a*), 47 Mark Lane, E.C.
Young, K. D. (*f*), & Hall, H. (*f*), 17 Southampton St., Bloomsbury, W.C.
Young, V. E., 12 Buckingham St., Adelphi, W.C.
f Young, W. F., 12 Norfolk St., Strand, W.C.
† Zimmermann, M. J., 8 Henrietta St., W.C.

Provincial.

BEDFORDSHIRE.

BEDFORD.
Anderson & Co., 153 Midland Rd.
Baillie-Scott, M. H., Fenlake Mnr.
a Gammell, K., 21 St. Peter's.
Lund, R., 8 St. Paul's Sq.
Mallows, C. E., & Grocock, G. H., 22 Mill St.
Usher & Anthony, 9 St. Paul's Sq.
Young, H., 35 Maitland St.
BIGGLESWADE.
Cockerill, T., Market Sq.
LEIGHTON BUZZARD.
a Bishop, T. H., Lake St.
Bishop, T. H., jun., Grove Rd.
Lawrence, J. T., Bridge St.
LUTON.
Anscombe (*a*) & Franklin, 21 Market Hill
a Blow, P. C., 1 Church St.
Brown, J. R. & Son, Castle St. Chambers
Godfrey, R. M., 1 Gordon St.
Keeling, J. C., 23 Up. George St.
Wilkinson, A., 43 Waller St.
SANDY.
Twelvetrees, E., Bedford Rd.
TODDINGTON, Dunstable.
Stonebridge & Foll
WOBURN, S.O.
Stonebridge & Foll, Leighton St.
WOBURN SANDS, S.O.
Stonebridge & Foll

BERKSHIRE.

ABINGDON.
† West, J. G. T., The Knowl
MAIDENHEAD.
Davy, R. C., 86 High St.
† Kirk, J. L., 107 Queen St.
a Shrewsbury, E. J., Queen St. Chbrs.
Vardy, C. S., Cliveden Chmbrs.
NEWBURY.
Bell, W. H., The Market Place
Floyd, F. H., 4 Broadway
Hill, E. F., 62 Northbrook St.
Money, J. H., The Broadway
READING.
f Albury, F. W., 154 Friar St.
Dodd, J. S., Broadway Bldgs.
Goodman, J. H., Town Hall Chbrs.
Greenaway (J.), Sons and Slade, 37, 38 Market Place.
Hambling, W. G. A., Forest Ho., Queen's Rd.
Haslam, J., 156 Friar St.
Hoare & Wheeler, 17 Friar St.
a Howell, W. R., 17 Blagrave St.
Lewton, W. G., 6 The Forbury
Millar, W. G., & Cox, A. S., Arcade Chmbs., Friar St.
a Morris, F. E., Broadway Bldgs.
Ravenscroft (*f*), Son & Morris, 22 The Forbury
Smith, C. (*f*) & Son (*f*), 164 Friar St.
Stallwood, S. S., 27 & 28 Market Pl.
f Webb, G. W., Market Pl. Chmbrs.
WINDSOR.
Carey, J. G. & Son, 50A Thames St.
Edgington & Summerbell, 7 Park St.
Nutt, A. Y., M.V.O., H.M. Office of Works, Windsor Castle
† Wyborn, S. M., Park St.
WOKINGHAM.
a Salmon, N. T., Denton Chmbrs.
Webb, G. W., Broad St.

BUCKINGHAMSHIRE.

AYLESBURY.
Manning, G. H., 6 Walton St.
a Taylor, F., 26 Temple St.
Thomas, R. J., County Hall
BEACONSFIELD.
Kerkham, Burgess & Myers
BLETCHLEY.
† Chadwick, J., Richmond House
BUCKINGHAM.
Manning, G. H., Market Sq.
CHESHAM, S.O.
Belch, H., High St.
Gee, E. J., 62 The Broadway
DATCHET.
Carey, J. G., Gloucester House
ETON.
Carter, T. B., 6 High St.
Simmonds, J., Bridge Trust Ho., High St.
Simmonds, W. G., 118A High St.
Willis, E., High St.
FARNHAM ROYAL.
Moscrop-Young, F. C.
f Ward, M, S., Old Orchard House
GERRARD'S CROSS, S.O.
Kerkham, Burgess & Myers, Orchehill Estate Office
GREAT MARLOW.
Thurlow, T., 23 High St.
HIGH WYCOMBE.
Thurlow, T., 25 High St.
Vernon & Son, 41 High St.
SLOUGH.
Baker, J., 75 High St.
Lee & Farr, 65 & 67 High St.
Mosley, W. R., 146 High St.
Sargeant & Son, 176 High St.
STONY STRATFORD.
f Harris, E. S.

CAMBRIDGESHIRE.

CAMBRIDGE.
Bausor, P., 7 Petty Cury
a Bland, J. D., 3 Chesterton Hall Crescent
Fawcett, W. M. (*f*), & Atkinson, T. D. (*a*), 4 Trumpington St.
† French, S., Llandaff Chmbrs., Regent St.
MacAlister (*f*) & Skipper, 20 St. Andrew's St.
Morley, J., 22 St. Andrew's St.
Porter, T. H., 3 Eden St.
† Tollit, R. J., 1 Sidney St.
Waters, F., 2 Sidney St.
MARCH.
Austin, W. F., Burrowmoor Rd.
Stallebrass, J. G., & Sons, Broad St.
NEWMARKET.
Flatman, J., Beaufort Studio, Rous Rd.
† Gibb, J. G., Rutland Chbrs., High St.
Holland & Son†, Fairstead Cottage
Manning, W. C. & A. S., Rutland Chmbrs.
WISBECH.
Davis, W. H. H., 2 York Row
Kerridge, T. M., Club Chmbrs., Old Market
Peck, C. H., Leverington Road
Thorpe, G., Post Office Lane
Walker & Walker, Lower Hill St.
Ward, F. B., 7 York Row

CHESHIRE.

ALDERLEY EDGE.
Sheldon, H.
ALTRINCHAM.
Armitage, G. F., "Stamford"
Ashton, J. T., 7 Market St.
Caris, G. W., 29, Bancroft Rd., Hale
Fairhurst, S. P., "Grobylawn"
Macnamara, J., "Bancroft," Hale Rd.
BIRKENHEAD.
Clarke, T. C., 6 Rock Park, Rock Ferry
Cubbon, T. W., 54 Hamilton St.
Davies, H. C., 167 Old Chester Rd.
Flinn, H. E., 56, Hamilton Sq.
Francis, C. O., 26, Harland Rd.
Griffiths, Wm., 5 Hamilton Sq.
Hancock, S., 57A Woodchurch Rd.
Holliday, J. D., 46 Dingle Rd.
Lownsborough, W., 4 Duncan St.
Mewton, J. R., 59 Hamilton Sq.
Street, A. W., 37 Hamilton Sq.
Walker, J. C., 2 Bank Bldgs., Charing Cross
BOWDON.
Dunkerley, F., Hurstdale
CHESTER.
f Beswick, H., Newgate St.
Boden, R. W., 9 Corn Exchange Chmbrs.
Cummings, S. G., Old Bank Bdgs.
Davies, J. H. & Sons, 14 Newgate St.
Douglas & Minshull, 6 Abbey Sq.
Lockwood, P. H., Cathedral Chmbrs., St. Werburgh St.
f Lockwood, W. T., 88 Foregate St.
Priest, A., Godstall Chmbrs.
CREWE.
Atkinson, J. A., 18 High Town
Bolshaw, G. E., 2 Mill St.
Dobson, S., Brook St.
Martin, J., Parr's Bank Chmbs., Nantwich Rd
† Shore, G. E., 322 Hungerford Rd.
EGREMONT.
Swainson, J. H., 66 Church St.
FRODSHAM.
† Davies, S., 5 Alvanley Terrace
HOOLE, Chester.
Tate, J. E., 2 Gresford Avenue
MACCLESFIELD.
Hall, C. R., King Edward St.
Longworth, W. H., Parr's Bank Chmbrs.
Whittaker & Bradburn (†), 19 King Edward St.
Wright, J., 27 King Edward St
MARPLE.
Garlick, E., 36 Market St.
Longworth, W. H., 1 Hollins Lane
MIDDLEWICH.
Sheldon, H., Kinderton St.
NANTWICH.
Bower, T., & Edleston (*a*), Bank Chmbrs.
NEW BRIGHTON.
a Keighley, A. R., The Bents
NORTHWICH.
† Cawley, J., Bull Ring
Holland, J., Hayhurst St.
f Powles, A. E., 7 Winnington St.
RUNCORN.
† Davies, S., Devonshire Bldgs.
Wilson, J., Oxford Rd.
SALE (Manchester).
† McBeath, R. J., Birnam House
SANDBACH.
Price, A., Elworth
STALYBRIDGE.
Farmer, F. Q., 1 Melbourne St.
Garlick, E., 121 Stamford St.
Rowbottom, G., Portland Chambs.
STOCKPORT.
Brady, G. H., Borough Chmbrs.
Gould, W. A., 69 St. Petersgate
Hunt & Baldwin, 4, Warren St.
Jepson, J., Guardian Chmbrs., Tiviot Dale
Locke, C. R., St. Peter's Sq.
Peirce, P., & Son, 30 St. Petersgate
Swann, W., St. Peter's Chmbrs.
Vaughan & Hatch, Cooper's Brow
Wilkinson, A. G., Caxton Chmbrs., St. Petersgate
Wrathmell & Blacksbaw, Queen's Bldgs., St. Peter's Sq.
WHALEY BRIDGE.
Johnson, C. W., Market St.

CORNWALL.

BODMIN.
Jenkins, W. J., St. Nicholas Gate
Oliver, M., 2 Fore St.
FALMOUTH.
Carder, Brooke & Carder
FOWEY.
Northcote, W. T. H., 13 Harbour View
HEA MOOR, S.O., Penzance.
f White, H., "Keigwidn"
LAUNCESTON.
f Peter, O. B., Northern Laye
Wise & Wise (†), Westgate
LISKEARD.
Sansom, J., Greenbank Lane
LOSTWITHIEL.
Skentelbery, A. E., Rose Hill
NEWQUAY.
Card. G. R., Edgcumbe Avenue
Cowell & Cowell, Central Chmbrs.
Ennor, E. J., Bank St.
Ennor, J., jun., Council Chambers
PENRYN.
Jenkins & Co., Broad St.
PENZANCE.
f Caldwell, O., Victoria Sq.
Maddern, H., 13 Clarence St.
REDRUTH.
Hill, S., Green Lane
Winn, L.
ST. AUSTELL.
† Andrew, B. C., "Biddick's Court"
Andrew, T. H., Market Hill
Jury, F. C., 1 Alma Villas, Tregonissey Rd.
SALTASH.
† Leest, E. M., 38 Fore St.
STRATTON (North Cornwall).
Crutchett, J., Riverside
TRURO.
Carder, Brooke & Carder
† Cornelius, A. J., 81 Lemon St.
Ingall, Son & Mitton, 1 Cathedral Lane
Winn, L., 27 Boscawen St.
WADEBRIDGE.
† Martyn-Mear, W. T., Rock

CUMBERLAND.

CARLISLE.
Armstrong, G., 24 Bank St.
a Benwell, J. W., 33 Lowther St
a Charlton, T. G., West View
Collinge. T. P., 36 Fisher St.
† Forster, J., Bldgs. Dept., The Courts
Foxall, H., 15 Lowther St.
Graham, J., Bank Chmbs., Bank St.
Higginson, H., 3 Lonsdale St.
Hodgkinson, H. H., 9 Lowther St.
Hodgson, J. F., Lowther St.
Johnston, A. W., 81 Castle St.
Johnstone, Bros., 39 Lowther St.
Leslie, J., 71 Broad St.
Lishman, F., 11 Devonshire St.
f Martindale, J. H., Eaglesfield Abbey Rooms, Castle St.
Oliver (*f*) & Dodgshun (*f*) 5 Lowther St.
f Taylor-Scott, T., 23 Lowther St.
† Slack, J., 18 Bank St.
EGREMONT.
Cowan, J., Castle Villas
MARYPORT.
Eaglesfield, C. & Son, 39 Senhouse St.
PENRITH.
Watson, G. & Son, 3 St. Andrew's Pl.
WHITEHAVEN.
Huddart, A., Lowther St.
† Moffat, J. S., 53 Church St.
Pickering & Crompton, 11 Lowther St., and 83 George St.
WORKINGTON.
Eaglesfield. C., Gordon St.
Eden, P. McC., 58 Pow St.
Scott, W. G., & Co., 2 Park Lane

DERBYSHIRE.

ALVASTON BY DERBY.
Leslie, F. A. R., 139 Brighton Rd.
† Nuttall, J., 1061 London Rd.
BELPER.
Hunter (†) & Woodhouse, Bridge St.
BUXTON.
f† Bryden, W. R., 3 George St.
Garlick & Flint (†), 5 Terrace Rd.
Gladwin, S., Rutland Chambers, Spring Gardens
Holland, W., 12 Hardwick St.
Strain, J. L., Court House Chbrs.
CHESTERFIELD.
Allen, S., 73 Salter Gate
Ashmore, W. M., 4 New Queen St.
Hopkinson, F., High St.
Houfton, P. B., Furnival Chmbrs., Market Place
† Jackson, W. C., 29 Knifesmith Gate
Rollinson, S. & Son, 13 Corporation St.
Shewbrooks, C., Devonshire Estate Office
Shewbrooks, S. B. D., High St.
Wagstaff, W. H., 57 Salter Gate
Wilcockson, T. S., Knifesmith Gate
CLAY CROSS.
Bramham, W., Market St.
Lamb, G., Thanet St.
DERBY.
a Ansell, W. H., 3 Kingston St.
† Covestick, G. C., County Offices

Coulthurst, F., 4 Albert St.
Currey & Thompson, Market Place
Eaton, A., 6 St. James' St.
Horton, J. W., County Offices
† Hunter & Woodhouse, All Saints' Chambers, Irongate
King (†) & Gilbert 12 St. James's St.
Macpherson, A., 16 Tenant St.
Mills, G. Y., St. Mary's Gate
Naylor (*f*) & Sale (*f*) Smith's Bank Chmbrs., Market Place
Sherwin, C. B., 16 St. James' St.
Swindell, W., Imperial Chambers, Albert St.
Thirby, R. C., Corn Exchange
a Widdows, G. H., County Education Office
† Wills, J. & Sons, Victoria Chmbrs., St. Peter's Churchyard
Wright & Thorpe (*f*) 23 St. James' St.

DRAYCOTT, near Derby.
Antliff, F. S., 105 Station Road

DRONFIELD (Sheffield).
Siddall, W. J., 24 High St.

DUFFIELD.
Mason, J. B.

GLOSSOP.
Hawke, R. G., 12 Ellison St.

ILKESTON, S.O.
† Haslam, G., Euclid House
a Hunt, C. W., 132 Station Rd.
Nicklin, J. H., 4 Drummond Rd.
Richards, S., 10, Bath St.
Sudbury, H. T., Estate Offices, Lord Haddon Rd.

LONG EATON.
Dodd, J. F., Parrs' Bank Bldgs.
Ridgway & Smith, Market Place
Ross, C. R., York Chmbrs.
Sheldon, J., Darley House
Woods, W. H., High St.

MATLOCK.
† Nuttall, J., Crown Sq., Matlock Bridge

NEWBOLD MOOR.
Coates, E. A., Avenue House

NEW MILLS (Stockport).
Garlick, E., Market St.
Pollitt, J. & Son, Town Hall

RIPLEY, DERBY.
Argile, R., Alfred St.

SWADLINCOTE (Burton-on-Trent).
Jenkins, T., Market Sq.
Underhill, C. F., Glencoe House

DEVONSHIRE.

BARNSTAPLE.
Lauder, A., Bridge Bldgs.
Oliver, W. C., Bridgend
Southcombe, J. C., Bridge Bldgs.
f Thorne, A., The Square

BIDEFORD.
Hookway, R. T., 12 Bridgeland St.
a Smith, J. J., 11 High St.

BLACK TORRINGTON, High Hampton, S.O.
Reichel, L. H., Beara Court

BRAUNTON, S.O.
Downs, H. B., South St.

CHAGFORD.
Hooper, E. F., Rock House

DARTMOUTH.
Back, E. H., Victoria St.

DAWLISH.
Dobell, S., Lanherne

DEVONPORT.
Adams, A. J., 14 St. Aubyn St.
Cheverton, C., 64A Chapel St.
† Leest, E. M., 14 St. Aubyn St.
a Nunn, B. W., 4 Beyrout Pl., Stoke
Snell, H. J., 29 St. Aubyn St.
Thornely & Rooke, 29 St. Aubyn St.

EXETER.
Andrew, T. A., 14 Bedford Circus
Bulgin, C. J., Richmond Rd.
Churchward, S., "Roslyn," St. Thomas
† Cole, C., 50 High St. and 20 Cathedral Close
Commin, F. J. Son & Bulley, 7 Bedford Circus
f Crocker, J., 98 Queen St.
Dobell, S., Queen St. Chmbrs.
a Greenslade, S. K., Powderham Crescent
Harbottle, E. H. (*f*) & Son, County Chmbrs., Queen St.
Harvey, J. E., Bampfylde House
Hooper, E. F., 6 Union Rd., Pennsylvania
f Jerman, J., 5 Bedford Circus
a Lucas, J. A., Guildhall Chmbrs., High St.
a Morris, P., County Education Office
Pinn C. & Son, 3 Wonford Rd.
Pinn, J. M. & A. J. (*a*), 5 Bedford Circus
Ralling & Tonar, 9 Bedford Circus
f Reed, H., 12 Castle St.
a Shearer, J. H., 22 Queen St.
f Tait, C. J., 57 High St.
Ware, C. E. & Son, 18 Bedford Circus
Warren, E. G., Commercial Chbrs.

EXMOUTH.
Beavis, G.
Ellis, E. E., Station Parade
Kerley, P., 7 Alexander Terrace
Langford, W. B., 4 Brunwick Sq.
Sherwin, P., Manchester St.

ILFRACOMBE.
Gardner, H. M., "Brooklands"
Gould, W. H., Collingwood
f Hussell, A. T., Market Sq.
† Weir, H. W., 32 Greenclose Rd.

KINGSBRIDGE.
Latham, A., Plymouth Rd.

NEWTON ABBOT.
Downes, F. E. L., 36 Queen St.
Rowell, J. W., (†) Sons & Locke, (†) 2, St. Paul's Rd.
Segar, S., 37 Devon Sq. and 26 Union St.

OKEHAMPTON.
Lucas, J. A., St. James St.

PAIGNTON.
Appleton, E. (*f*) & Son, Dartmouth Rd.
Bridgman, N. G. (*a*), & Bridgman, W. H. (†), Bank Chbs., Victoria St.
Cooper, J. H., Oldway
Couldrey, W. G., 19 Palace Avenue
Vanstone, F. W., Palace Chmbrs.

PLYMOUTH.
† Adams, E. C., Bedford Chmbrs.
Bazley, M. A., 21 Princess Square
a Bewes, A. G., 10 Courtenay St.
Body (*a*) & Son, 12 Princess Square
Carder, W. J., 23 Lockyer St.
Clark, F. A., New Town Chmbrs., Old Town St.
Deverall-Saul, G. P., 6a Courtenay St.
a Fouracre, J. L., 4 Tavistock Rd.
Harvey, J. (†), & Son, 64 Baring St.
Haughton S. W., 22, Courtenay St.
Hine (*f*), Odgers & May (†) 23 Lockyer St.
Keats, J. H., Prudential Bldgs.
King (*f*) & Lister, 20 Princess Sq.
a Kitsell, T. R., 16 George St.
Lethbridge, A. E., 8A Westwell St.
Luke, R. M., 15 Princess Square
Mill, R. A., 21 Princess Square
f Parker, A. S., 20 George St.
Pearce, W. J., Plymouth Law Chmbrs., Princess Square
a Pethick, B. H. P., 5 Queen's Gate Villas
f Sedding, E., Queen Anne's Terrace, Tavistock Rd.
f Shires, B. P., 104 Old Town St.
Snell, H. J., 11 The Crescent
a Thomas, N., Plymouth Law Chambers, Princess Square
Thornely & Rooke, 11 The Crescent
† Vincent, J. H., Ebrington House, Ebrington St.
Vivian-Williams, T., 96 Old Town St.
Wiblin, F. A., 6 Westwell St.

SEATON, Axminster.
† Gush, G., Manor Office

SIDMOUTH.
† Sampson, R. W., Manor Offices

SOUTH MOLTON.
Sanders, F. F. J., New Rd.

TIVERTON.
Williams, W. E., 19 Newport St.

TORQUAY.
Appleton, E. (*f*), & Son, 10 Abbey Rd.
Bridgman, N. G. (*a*), & Bridgman, W. H. (†), Devon Chbs., Fleet St.
Johnson & Webber, Tormoham Manor Office, Strand
Watson & Watson, 36 Torwood St.
Waymouth, C., 74 Fleet St.

TORRINGTON.
Medland, W. C., Windy Cross

TOTNES.
Tollit, W. F., 6 Bridgetown

DORSETSHIRE.

BLANDFORD.
Hunt, C. & Son, The Close

BRIDPORT.
Cooper, F., 77 East St.

DORCHESTER.
Feacey, J., South Walks
f Fletcher, W. J., Shire Hall
Maltby, F. T., South St.
† Tilley, A. L. T., Victoria House, Fordington

PARKSTONE.
Andrew, W., Alton Office
Goater, C. H., Edward Rd. Upper Parkstone
Holland, T. J. B., "Summerhill"
f Livesay, G. A. B., "Ardmore"
f Newman, S. J., "Wolvesey," North Rd.
Smart & Wyeth, 220 Ashley Rd.
Smith, A., St. Kitts, St. Osmond's Rd., Lower Parkstone

POOLE.
Barnes, H. F. J., Towngate St.
Van Schepdael, E., Tincleton Villa, Wimborne Rd.

SHERBORNE.
† Farrall, T., Half Moon St.

SWANAGE.
Clifton, J. E. (*f*) & Robinson, Old Bank House

WAREHAM.
Fookes, W. W., North St.

WEYMOUTH.
† Bennett, A. J., 10 Gloucester Ter.
Crickmay, G. R. (*f*) & Son (*f*), 77 St. Thomas St.
† Jackson, S., Bridge Chmbrs.
Morgan, W. B., Clarence Bldgs.

WIMBORNE.
† Chinchen, W. T., Crichel Park
f Fletcher, W. J., County Surveyor's Office
Leighton, F. B., Broadstone

DURHAM.

BARNARD CASTLE.
Farrow, T., 7 Market Place

BISHOP AUCKLAND.
f Garry, J., 70 Bondgate
Johnston, C., Victoria St.
Keenan, J., Victoria Chambers, Market Place
Livesay, F. H., 107 Newgate St.
Perkins, W., North Bondgate
Thompson, R. B., 7 Market Place

BLACKHILL.
Shell, W. S., 4G Roger St.
Wilson, G. T., 21 Durham Rd.

CHESTER-LE-STREET.
Boyd (†) & Groves
Cowe, R. G., Murray Terrace
Kell, A. T. B., 61A Front St.
Wilkinson, S., Pelton House

CONSETT, S.O.
Doherty, J., Sherburne
Shell, W. S., Taylor St.

DARLINGTON.
Aggutter, W. T., 7 Horse Market
a Bourne, W. H., 94 Northgate
Clark, F. (*f*), & Moscrop, W. J. (*f*), Feethams
† Davis, G. W., 6 Prebend Row
Dickinson, G. & Son, 5 Houndgate
f Hoskins, G. G., Court Chmbrs., Coniscliffe Rd.
Kitching & Lee, 14 Blackwellgate
Martin, F., South End Chmbrs.
Pritchett, J. P. (*f*) & Son, 24 High Row

DURHAM.
Burrell, J. G., Market Pl. Chmbrs.
Crozier, W., Shire Hall
f Fowler, C. H., The College
a Gradon, H. T., 22 Market Place
f Jones, W. T., 7A North Bailey
Kell, A. T. B., 53 North Rd.
Morson, J., Dunster House
Ord, G., 16 The Avenue

FENCE HOUSES.
Cowe, J. G., Lambton Grange

GATESHEAD.
Armour, L. H., 16 West St.
Frazer, J. W. (*a*†) & Corking, 2 West St.
† Purser, F. W., 10 West St.
a Wylie, R., 36 West St.

HARTLEPOOL, West.
Barnes, H. (*a*) & Burton, C. F., Bank Chmbrs., Scarboro' St.
Blackwell, J., 33 Lynn St.
Brown, J. W., Church Square
f Garry, J., 47 Church St.
Wilson, J. J., Victoria Bldgs., Church Square
Young, W., Park Rd.

JARROW-ON-TYNE.
Hanson, J. W., 79 Wear St.

LEAMSIDE, via Fence Houses.
Hardaker, G., Ivy Cottage

SHILDON, New Shildon, S.O.
Perkins, W., Main St.

SOUTH SHIELDS.
Beazley & Margary, 25 King St.
Dingle, J. M., 3 Ocean Rd.
Dockwray, J. J., 6 Kensington Ter.
a Donald, J. W., West Keppel St.
a Grieves, H., Albany Chmbrs., King St.
Hall, M. & Son, Albany Chmbrs., King St.
Hanson, J. W., 79 King St.
Hodgson, M. N., Russel St.
f Morton, J. H., 50 King St.
Page, T. A. & Son, Waterloo Chmbrs., 67 King St.
Rennoldson, F., 37, King St.
a Smith, G. R., 67 King St.
Stout, J. E., 72 King St.
Wardle, J. W., 33 King St.

STANLEY, S.O.
Crossling, T. E., Front St.
Forster, W., Front St.

STOCKTON-ON-TEES.
Brentnall & Crosby, 16 Finkle St.
Bullen, T., Victoria Buildings, High St.
Fletcher, E. G., Prince Regent St.
Harrison & Hunter, 69-70 High St.
† Linton, W. H., N.E. Bank Chbrs.
† Richardson, T. W. T., 57 High St.
Sanderson, J., 134 High St.
a Whipham, E. A., 59 High St.

SUNDERLAND.
Bell, C. W., 17 Norfolk St.
f Brown, G. T., 51 Fawcett St.
Caws & Steel, 22 Fawcett St.
Christon, C., 57 John St.
Clayton-Greene, C. A., 18 Norfolk St.
a Coates, F. E., Frederick St.
Eltringham, J., 62 John St.
Hall, J., 28 John St.
Hedley, H. T. D., 40 West Sunniside
Milburn, W. (*f*) & T. R. (*f*), 20 Fawcett St.
Nicholls, J. H., 18 Fawcett St.
Potts, J. & Son, 57 John St.
Robinson, H., Wearmouth Colliery
a Spain, J., 12 John St.
Speight, M. A., Deptford Yard
Vaux & Mark, 29 Norfolk St.
Wilson, R., Baliol Chambers, West Suninside

ESSEX.

BARKING.
f Dawson, C. J., East St.

BILLERICAY.
Bird, H. R., High St.

BRENTWOOD.
Bird, H. R., St. Thomas' Gate
Browne, R. H., High St.
† Cubitt, E. N., 6 High St.
† Woods, A. T. G., New Rd.

BRIGHTLINGSEA.
† Butcher, C. E., High St.

BUCKHURST HILL.
a Tooley, H., Council Offices

CHELMSFORD.
Chancellor, F. (*f*), & Son 74, Duke St.
Mawhood, R., 17 Market Rd.
† Pertwee, W. H., Institute, London Rd.
a Town, W. H., 4 Duke St.
Whitmore, F., 73 Duke St.

CHINGFORD.
Stair, W.

CLACTON-ON-SEA, S.O.
Baker & Wrightson, Station Rd.
Gardiner, G., 11 Marine Parade
Hider, E. J. W., Bank Chambers
Sinfield, R. J., "The Cedars," Colne Road
Spencer, A. G., Old Bank House
Tighe, A., Town Hall Bldgs.

COGGESHALL (Great).
Clark, J. W., Church St.

COLCHESTER.
Baker & May, Head St.
† Butcher, C. E., 3 Queen St.
Goodey, J. F., & Cressall, W. T. (*a*), 2 Victoria Chmbrs.
Martin, J. R., 3 Back Lane, Hythe

Page, G. H., Trinity Chmbs., Culver St.
Start, J. W., High St.

DOVERCOURT.

Packer, H. H.
Steward-Watling, H., Kingsway House

EPPING.

† Hart, T. G., Victoria Buildings, High St.

FRINTON-ON-SEA.

Harrington, (*a*) Ley & Tomkins, Frinton Estate Offices
Hayne, W., Connaught Avenue
Homer & Sharp (*a*), Fourth Avenue

GRAYS.

Cobham, C., 3 Shakespeare Villas, High St.
a Shiner, C. M., The Gate House

ILFORD.

Cropper, H. J., 6 Argyle Rd.
Dawson, C. J., 11 Cranbrook Rd.
Dunn, E. T., 7 Roding St.
Faunch, F. G., 76, Cranbrook Rd.
† Jackson, C.E., 39 Grosvenor Rd.
Jackson, S., Cranbrook Bldgs.
Theobald, H., 19 Cranbrook Gdns.
Verlyck, G., Adelaide Chambers

INGATESTONE.

Browne, R. H.

LEIGH-ON-SEA.

Thompson, J., 85 Broadway

LOUGHTON, S.O.

a White, H., High Rd.

MALDON.

† Beaumont, P. M.

ROMFORD.

Adams & Sparks, 32, High St.
Davey, T., 82 Western Rd.
Harrington (*a*) & Ley, 71 South St.
Mortimer, W. & Son, Broadway Chmbrs.

SHOEBURYNESS, S.O.

Burles & Harris

SOUTHEND-ON-SEA.

Adams & Sparks, Weston Chmbs., Weston Rd.
Burles & Harris, Clarence Chmbrs., Clarence St.
Cooke, C., Tower Bldgs., High St.
Greenhalgh & Brockbank, Bank Chmbrs., High St.
Hobbiss, W. Y., Weston Chmbrs., Weston Rd.
Thompson, J., 103 Broadway
Winter, F. J., 57 High St.
Wood, W. J., 26 Alexandra St.

STANFORD-LE-HOPE.

a Shiner, C. M., Bank Chambers

WALTON-ON-NAZE.

† Tyas, F. C., Survey & Estate Office

WESTCLIFF-ON-SEA.

Bromiley, S., 93 Hamlet Court Rd.
Cabuche (†) & Hayward (†), Queen's House, Hamlet Court Rd.
Clare (†) & Ross, Bank Chambers
Greenhalgh & Brockbank, 52 Hamlet Court Rd.

WOODFORD.

Coyne, H. G., Rosebery Lodge, Monkham's Lane, Woodford Gn.

GLOUCESTERSHIRE.

BERKELEY.

Bruce, A., Office of Works, Berkeley Castle

BRISTOL.

Adlam, G. & Sons, Elbroad St. (Brewers)
Barker, L., & Son, 3 Unity St.
Bennett, H. M., Liverpool Chmbrs., Corn St.
Bernard, W. L. (*f*) & Son, 4 St. Stephen's Chmbrs., Baldwin St.
Bevan, J., Liverpool Chmbrs., Corn St.
Bisset, F., Canada Ho., Baldwin St.
f Bond, F. B., Star Life Bldgs., St. Augustine's Parade
f Bryan, H. D., 4 Unity St.
Craik, J., 12 St. Stephen St.
Cridland, R., Belmont Terrace, Stapleton Rd.
Drake & Pizey, Capital & Counties Bank Chmbrs., Baldwin St.
Foster, Wood (*a*) & Awdry (*f*), 35 Park Street
Froud, M., 1, St. Stephen's Chmbrs., Baldwin St.
Geen, H., Sun Buildings, Clare St.
Gough, W. V. (*f*), & A. R. (*a*), 24 Bridge St.
Gruggen, R. M., 27 Cotham Vale
a Harford, A., 6 & 7 St. Stephen St.
Hart, J., Liverpool Chbrs., Corn St.
a Hirst, H. C. M., 30 Broad St.
Howard-Leaker, — (Llewellins & James), Star Lane Offices, Castle Green
† Jones, H. J. & Son, 12 Bridge St.
La Trobe (*f*) and Weston (*a*), 44 Corn St.
Masters, W., Fishponds
Munro, P. (†), & Son (†), 2 St. Stephen's Chmbrs., Baldwin St.
Nicholson, T., Guildhall Chmbrs., Broad St.
Oatley (*f*) & Lawrence, (*a*) Edinburgh Chmbrs., Baldwin St.
Paul, W. S. (*a*), & James, R. C. (*a*), 31 Nicholas St.
Rodway (*a*) & Dening, 28 Baldwin St.
Rowley, C. A., 31A Corn St.
Scammell, T., Son & Perkins, 10 John St.
Scoones, T. J., 3 Unity St.
Shove, F., 13 Clare St.
Skinner, W. S., Edinburgh Chambers, Baldwin St.
a Smith, H., 23 Clare St.
Tarr, H. C. H., 10 St. Stephen's St.
Thompson, C. & C., Athenæum Chmbrs., Nicholas St.
Trew, A. R. F., 22 Broad St.
Wakefield, B., 45 Nicholas St.
a Watkins, W. H., 15 Clare St.
† Williams, H., Corn St.
f Wills, F. W., 8, St. Stephen St.
Wright, J. A., 6 Unity St.

CHARLTON KINGS, Cheltenham.

Villar, J.

CHELTENHAM.

Chatters, H. W. (*f*) & Smithson, A. H., 17 Regent St.
Crisp, J. G., 6 North St.
† Healing & Overbury (†), Lloyd's Bank Chmbrs.
Pearson, A. E., 13 Promenade
Prothero & Phillott, 13 Promenade
Villar, J., 5 Essex Place

CHIPPING CAMPDEN.

Ashbee, C. R., Essex House
Stevenson, E. G., Westcote House

CIRENCESTER.

Lawson, V. A., Council Chmbrs.
Milne, H., 73, Castle St.

GLOUCESTER.

† Dancey, H. A., 1 Barton St.
a Dunn, A. J., 31 St. Michael's Sq.
† Healing & Overbury (†), 26 Clarence St.
Jones, W. F., 21 George St.
Medland, M. H., (*f*) & Pryer, 15 Clarence St.
Niblett, E., 9 Arthur St.
Probyn, A. W., 9 Berkeley St.
† Trew, J. F., County Chmbrs., Station Rd.
Waller (*f*) & Son, 17 College Gn.
a Wood, W. B., 12 Queen St.

STROUD.

Fisher & Milnes, 6 Rowcroft
Lawson, V. A., 17 Rowcroft
Lewis, J. B., Lansdown

TEWKESBURY.

Gray, B. C., 131 High St.
Ridler, W., Station St.

WICKWAR, S.O.

Bentley, J. S. (Arnold Perrett & Co.), Wickwar Brewery

HAMPSHIRE.

ALDERSHOT.

Friend (†) & Lloyd, 45A Grosvenor Rd.
Johnson, J. F. & Co., 12 Station Rd.
Kingham & Kingham, Bank House, Grosvenor Rd.

ALRESFORD.

Hunt, W. H.

ALTON.

Eggar, J. A., High St.

ANDOVER.

Bell, W., Winchester Rd.
f Rovedino, A., 27 Bridge St.

BASINGSTOKE.

Gibson, J., Winchester Rd.
Wallis & Smith, Winchester St. & Potter's Lane

BOURNEMOUTH.

Aldridge & Thomas, Hinton Chmbrs., Hinton Rd.
f Brewerton, J. H., Richmond Chmbrs., The Square
Broad, F., Manton Villa, Oxford Rd.
Brown, J. S. C. McE., 4 Roumelia Terrace, Christchurch Rd.
Creeke, Gifford & Oakley, Hinton Chmbrs.
Dancaster & Co., Richmond Park
f Donkin, J., 4 Albert Rd.
Fogerty (*a*) & Brumell (*a*) Belfast House, Gervis Place
Hawker (†) & Mitchell (†), St. Peter's Chmbrs.
Hazard, C., Winchester House
Lawson & Reynolds, Yelverton Chmbrs.
Ling, F. A., 162 Wimborne Rd., Winton
f Livesay, G.A.B., Fir Vale Chmbrs., Old Christchurch Rd.
f Miles, C. T., "Observer" Chmbrs.
Rudge, W. N., 11 Sedgley Rd., Winton
Rumsby & Rodd, 142 Old Christchurch Rd.
Shepherd, J. J., Cumnor Bldgs., Old Christchurch Rd.
f Stevens, T., Richmond Chmbrs.
Sturdy, P., 84 Poole Rd.
Thornton, D., 85 Richmond Park Rd.
† Tilley, A. L. T., 189 Richmond Park Rd.
Tugwell, S., Richmond Chmbrs.
Verger, E. A., 14 Lansdowne Rd.
Wade & Austin, 128 Old Christchurch Rd.
† Ware, A. G., "Observer" Chmbrs.

CHANDLERS FORD.

Muir & McIlwraith

CHRISTCHURCH.

Bellairs, E. H., "Branegore"
Burton, E. H.

EASTLEIGH.

Denham, G., 8 Station Hill

EMSWORTH.

Stringfellow, H. W., North St.

FAREHAM.

Atkins, N. H., 62 West St.
Cobbett, W., 89 West St.

FARNBOROUGH.

Clemence & Moon, 2 Park View
Guyer, A. H., Alexandra Rd.
Johnson, J. F. & Co., Lynchford Rd.

FLEET.

Johnson, J. F. & Co., Fleet Rd.

GOSPORT.

Fry, W. H., 9 High St.
† Smith, H. A. F., Star Chambers, High St.

HARTLEY WINTNEY.

Cable, C. V., The Turret

HAVANT.

Stallard, A. E., West St

LANDPORT, See Portsmouth.

LONGPARISH, Whitchurch.

Wilkinson, F. R.

LYMINGTON.

Parr, F. H., High St.
Ravenscroft (*f*), Son & Morris High St.

LYNDHURST.

White, G. A., High St.

PETERSFIELD.

† Keates, H. T., High St.
f Minty, E. A., Lavant St.
Unsworth, W. F. (*f*) & Son, 6 Station Rd.

PORTSMOUTH.

Ball, C. W., Whittington Chmbrs., King's Rd., Southsea
f Bevis, C. W., Elm Grove Chmbrs., Southsea
Bone, A. H., 148 High St.
Cook, (†) & Tutte, 394 Commercial Rd.
Ford, A. H., 11 High St.
Fuller & Starkey, 15 Commercial Rd.
Guy, A. E. J., 24, Kimberley Rd., Southsea
Rake (†) & Cogswell (†), Prudential Bldgs., Landport
Smith, G. E., Victoria Rd., Southsea
Vernon-Inkpen, G. C., 40 Commercial Rd.
f Walmisley, J. W., 7 King's Ter., Southsea
Whitehead & Whitehead, Southsea

ROMSEY.

Jenvey, J., Market Place
Smith, J., 25 Market Place

SOUTHAMPTON.

Brightiff, C. H., 13 Portland Terr.
Burnett, A. A., 2 High St.
† Evans, E. W., 16 Portland St.
Galbraith, A. W., 47 London Rd.,
Greenwood, S. C., 11 Portland St.
Hair (*a*) & Bucknill, 23 Portland Terrace
Hill, W. B., 81 Above Bar
Jurd & Sanders, 23 Portland St.
Lemon (*f*) & Blizard, (*f*) Lansdowne House, Castle Lane
f Lucas, R. M., Bar Gate Chmbs. High St.
Mitchell, W. H., Son & Gutteridge, 9 Portland St.
† Pope, S. K., 27 Portland St.
Weston, H. J., 24 Portland St.
White, G. A., Prudential Bldgs., Above Bar

SOUTHSEA. See Portsmouth.

WINCHESTER.

Barnard, G. A., Upper High St.
† Cancellor & Hill (*a*), 12 Jewry St.
Colson (*f*), Farrow (*f*) & Nisbett (*a*), 45 Jewry St.
Denham, G., City Rd.
Kitchen, G. H., 2, Cheesehill St.
Stopher, T., 57 High St.
Taylor, W. J., The Castle

HEREFORDSHIRE.

HEREFORD.

Barker, E. H. L., 146 Owen St.
Clarke, W. E. H., Cathedral Chmbrs., King St.
† Davies, E. G., 7 Bridge St.
Groome (*a*) & Bettington (†), Palace Chmbrs., King St.
Nicholson (*a*) & Hartree, Offa St.
Robinson, W. W., 10 King St.
Skyrme, H., 138 Widemarsh St.

KINGTON.

a Delfosse, C. S.

ROSS.

Pearson, A. H., Warrendale
f Small, A. P., 10 Gloucester Rd.

HERTFORDSHIRE.

BALDOCK, S.O.

Parker & Unwin (†) Garden City Estate

BARNET.

Knott, S. E., Abbotsford, East Barnet
Siddall, H. P., Granville Rd., High Barnet
White, Son & Pill, 13-15 High St.

BERKHAMPSTEAD.

a Hopkins, W. B., 97 High St.
Marshall (*a*) & Bradley, 234 High St.
Rew, C. H. (*f*) & N. A., 71 High St.

BISHOP'S STORTFORD.

Cooper, J. S., Windhill Rd.
Pritchett, G. E., Oak Hall

CHESHUNT.

Beeney, H., 45 College Rd.

HARPENDEN.

a Blow, P. C., Station Rd.
Brown, J. R. & Son
Salisbury, S. & A. H., (†) Limbrick Hall

HEMEL HEMPSTEAD.

Harvey, G., 29 Marlowes
Robinson & Mead, 66 Marlowes

HERTFORD.

Farley, J., Old Cross
Thorowgood, R. & A. G., 4 Fore St.

HITCHIN.

f Allen, W. T., Walsworth Rd.
a Lucas, G., 83 Bancroft
a Millard, W., Benslow Lane
Pope, H., 32 Dacre Rd.
Shilcock, J., Market Place
† Tarte, F. W. K., 3 Bancroft

HODDESDON.

Tregelles, J. A.

LETCHWORTH, Hitchin.

Bennett (*a*) & Bidwell, Leys Avne.
a Martin, A. J., Dent & Co.'s Site, Works Rd.

RICKMANSWORTH.

a Dawe, S., High St.
Swannell & Sly, High St., and 1A Maxwell Rd., Northwood

ST. ALBANS.

a Blow, P. C., 7 London Rd.
Dudley, F.G.W—., 11 St. Peter's St.
† Edmunds, S. D., 79 Victoria St.
Godfrey, R. M., 29A Lattimore Rd.
Hansell, H. E., Station Rd.
Mathison, R. D., 23 Victoria St.

Mence, H. F., Town Hall Chmbrs., Market Place
† Tarte, F. W. K., 12 St. Peter's St.

STEVENAGE.
/ Allen, W. T.

TRING.
Huckvale, W., Ardmore

WARE.
Chinnock, E., 1 Trinity Rd.
Thorowgood, R. & A. G., High St.

WATFORD.
a Anderson, A. W., 28 High St,
† Ayres, C. P., Rickmansworth Rd.
a Grace, W., 43 High St.
/ Syme, W. H., 4 High St.
Williams, T., 107 Gladstone Rd.

WELWYN.
Holden, C. H., Codicote

HUNTINGDONSHIRE

BRAMPTON.
Bird, J.

FENSTANTON.
Bunting, G. N.

HUNTINGDON.
a Ladds, S. I., Market Place

ISLE OF MAN.

DOUGLAS.
Horrocks, W., 25 Athol St.
Kay, G. & W. R., 22 Athol St.
Kaye, A. G., 31 Castle St.
Rigby (*f*) & Heslop, 23 Athol St.

RAMSEY.
Boyde, J. T., The Mooragh
Kay, G. & W. R., Victoria Bldgs., Parliament St.

ISLE OF WIGHT.

COWES, West.
Tomkins, S. E., 40 High St.

NEWPORT.
/ Stone, P. G.
Stratton & Millgate, 21 Quay St.
Tomkins, S.E., Castlehold Chmbrs.
Walden, R. H., 19 Quay St.

RYDE.
Barton, J. I., 1 St. Thomas St.
† Boughton, G., "Woodlands"
Cocks, S. R., 5 St. Thomas St.
Mathew, C., Town Hall
Wallis, J., 11 Spencer Rd.
West, D., "Briarwood," St. John's Park

SANDOWN, S.O.
† Newman, J., Thornton
Tomkins, S. E., Post Office Chmbrs.

SEAVIEW.
Caws, E. I., "Coronation" House
/ Salter, S., "Pondwell," near

SHANKLIN.
Colenutt, L., Bank Bldgs., High St.

TOTLAND BAY.
Swane, E. A., The Broadway
Waterhouse, W. J., Estate Office

VENTNOR.
Harvey, E. J., Grove Rd.
Mitchell, C., Son, & Soutter, Old Post Office Chmbrs.
† Saunders, T. R., Belgrave Chmbrs.

KENT.

ASHFORD.
Jeffery & Lacey (*a*), 13 North St.

BECKENHAM.
Barker, C. J., 3 Belmont Rd.
Dyson, H. K., 4 Southend Rd.

BEXLEY HEATH.
Box, E., 287 & 289 Broadway

BIRCHINGTON.
† Higgs, J. C. P., 1 Beach Avenue

BROADSTAIRS, S.O.
Langham & Cole, Bank Chmbrs.
Moody, E. E., Station Gates
† Sadgrove, E. J., West Cliff Rd.

BROMLEY.
a Jefferson, J. E., 12 Magpie Hall Lane, Bickley.
Mallett, W. R., 32 Tweedy Rd.
Muggeridge, S., Sandford Rd.

CANTERBURY.
Cowell and Bromley, Cathedral Precincts
Jennings (†) & Gray, 4 St. Margaret's St.
a Messenger, R., 39 St. Margaret's St.
/ Purdie, A. E., Meadow Grange, Blean, near
Turley, A. C., 45 High St.

CHARLTON.
Ellison, J. L., 2 Inverene Rd.
Rowland, J., 155 Church Lane, Old Charlton
Young, T. J., Niton House, Little Heath

CHATHAM.
Betts, E. W., 31 Medway St.
a Dunstall, H. H., Bank Chambers, Railway St.
Randall, W. E. R., jun., 171 High St.

DARTFORD.
Harston, W., 8 Hythe St.
Tait & Hobbs, 2 Lowfield St.

DEAL.
Crowther, C. L., Queen St.
a Hutchinson, E. B., 20 Queen St.

DOVER.
† Beeston, W., Eastbrook Place
Bowles & Hawkins, 20 Castle St.
Creswell & Newman, 54 Castle St.
Fry & Miller, 22 Cannon St.
Jennings (†) & Duthoit, (*a*), 6 Claremont Place
Worsfold & Hayward, Market Sq.

EDENBRIDGE.
Fox & Co., High St.

ERITH, S.O.
† Egerton, W., 12 Queen's Rd.

FARNBOROUGH.
Llewellyn & Pawley, "Tilburstow"

FAVERSHAM.
Coe, W. J., 47 Ospringe Rd.
Pover, E. & Son, 54 & 55 Park Rd.

FOLKESTONE.
Bromley, A., Radnor Chmbrs., Cheriton Place
Harrison, F. R., 62 Guildhall St.
Newman, F., 4 Bouverie Square
/ Pope, R., Cheriton Place

GILLINGHAM, S.O.
† Hammond, E. J., 21 Balmoral Rd.
a Redfern, J. L., Corporation Offices
† Smith, F., 83 High St.

GRAVESEND.
a Bennett, E. J., 191 Parrock St.
a Clay, G. E., 27 King Street
Cobham, C., The Shrubbery, Windmill Hill
Cobham, G. W., 4 Woodville Ter.
a Dean, W. M., 21 Park Place

HERNE BAY.
Huxtable, J., Station Rd.
a Messenger, R., Town Hall Chmbrs.
Perriam, A. J., Station Avenue

HYTHE.
Wilks, E. S., Seabrook Rd.

MAIDSTONE.
/ Bensted, H., 86 Week St.
/ Friend, G., 44 Earl St.
Ruck, F. W. & Smith, A. W. (*f*), 86 Week St.

MARGATE.
Burrows, S. E., 9, Arundel Rd., Cliftonville
Daunou, F. M., Shirley Villas, Canterbury Rd.
Griffith, E. J., 10 Cecil Sq.
Harris, R. A., 102 Northdown Rd., Cliftonville
Mercer, W. J., 12 Marine Terrace
Reeve, C. J., Grosvenor Place
Reeve, R. D, 7 Cecil Sq.

NEW BROMPTON, see Gillingham

ORPINGTON.
Austin, F. W., Estate Office, Hill View
a Williams, W. A. "Copper Beeches"

PLUMSTEAD.
Cooke, J. O., 2 Wrottesley Rd.

RAINHAM.
† Smith, F., London Rd.

RAMSGATE.
Hinds & Son, 57 Queen St.
Langham & Cole, 22 Queen St.
Pite, A. R., Effingham House, Effingham St.
Stock, W. T., 2 Elms Villas, The Elms
Tucker, G. G., 1 York Terrace, Harbour Parade

ROCHESTER.
† Bond, G. E., 384 High St.
a Cobb, E. F., 20 High St.
Drake, Boucher, & Bird, 115 High St.
Margetts, W. T., "Bankside," Borstal Rd.
Nash, J. W. (†), & Son, 237 High St.

SEVENOAKS.
Cronk, E E., Suffolk Place
Harvey (*a*) & Potter, 49 London Rd.
Llewellyn (†) & Pawley, 86 High St.

SIDCUP.
Edlin, V. A., Hadlow Rd.
Farnham, W. A., High St.
† Parker, J. F., Halfway St.
Turner, H. H., 2 Woodland Villas

SITTINGBOURNE.
† Grant, W. L., High St.
Harvey, M., 86 Station St.
Pearcey, E. C., 2 Crescent St.

TONBRIDGE.
a Little, J. W., 149 High St.

TUNBRIDGE WELLS.
Caley, H. M., 29 Mount Pleasant
Cronk, E., 4 Mount Ephraim Rd.
Hughes, W. B., Prospect Lodge
† Palmer, H. W. H., 46 Mount Pleasant
a Strange, C. H., 20 Dudley Rd.
Vinall, E., 28 Mount Pleasant
Willard, H., 9 Up. Grosvenor Rd.

WELLING.
Waterworth, J. H., High St.

WHITSTABLE.
Kemp, A. A., Tankerton Estate Office

WOOLWICH.
Church, Quick & Whincop, 24 William St.
Cooke, J. C., 1A Eleanor Rd.
a Habershon, A. E., 29 Green's End
Lacey & Gray, 83 Powis St.
Monckton, H. P., Wellington St.

LANCASHIRE.

ACCRINGTON.
Grimshaw & Cunliffe, Bank Chmbrs., Blackburn Rd.
Haywood (*a*) & Harrison (†), Post Office Chmbrs., Church St.
† Newton, W. J., Pendlehurst
a Ross, H., 15 Cannon St.

ASHTON-UNDER-LYNE.
Burton, J. H., & Percival, J. A., 150A Stamford St.
Eaton, J. (*f*), Sons & Cantrell, Bank Chmbrs., Stamford St.
George, T., & Son, 7 Warrington St.
Lindley, H., Market Avenue.

ATHERTON.
Grimshaw, F. H., Tyldesley Rd.

BACUP.
Hitchon & Pritchard, 15 Union St.
Hobson, F. J., Market St.
Smith & Cross, Bank St.
Williams, S. T., St. Mary's Chbrs., Bankside
Wilson, J., Orchard Villa, Bankside

BARROW-IN-FURNESS.
Butler, J., Cornwallis St.
a Fowler, H. T., 6 Cornwallis St.
Settle & Brundrit (*a*) 127 Ramsden Sq.
Young, E. M., 90 Duke St.

BLACKBURN.
Aspinall, H., 46 Ainsworth St.
Bertwistle, J., 1 Tackett's St.
Briggs (*f*), & Wolstenholme (*f*), Central Bldgs., Richmond Ter.
Briggs, E. P., 5 Newmarket Chmbs.
Cheers & Smith, 24 Richmond Ter.
Crook, T.C.M., Old Cross Chmbs., King William St.
Duerden, T. H., 32 Richmond Ter.
Fairbrother & Hall, 27 Richm'd Ter.
Fairhurst, H. S., 54 Church St.
† Gradwell, A. R., 29 Victoria St.
Haworth, J., 54a Victoria St.
Henshaw, J. T., 47 Harcourt St.
Lloyd, E. A., 18 Richmond Ter.
McCall & Robinson, 7 Tackett's St.
Maxwell & Shaw, 2 Lord St., W.
Parkinson, F. J., 9 Richmond Ter.
a Pickup, A., 8 Richmond Terrace
Sames & Green, 14 Richmond Ter.
Sandbach, J.C.H., 15 Richmond Ter.
Simpson & Duckworth, Richmond Chmbrs.
/ Stirrup, W., 14 Richmond Terrace
Stones (*f*) & Stones (*f*) 10 Richmond Terrace
Wilkinson, W.W., 22 Richmond Ter.
Woods & Hargreaves, 23 Richmond Terrace
Yates, J., 3 Tackett's St.

BLACKLEY.
Thorp, J. Higher Blackley

BLACKPOOL.
Burns, J., 5 Birley St.
Garlick & Sykes, 22 Birley St.
Gorst, R. & Son (†), 7 Birley St.
Harker, J. D. (*a*) & Fielding, W., 12 Birley St.
Hindle, A., 44 Abingdon St.
Lumb, T. G & Co., 26 Birley St.
Mangan, J. H., Church St., S. S.
Mather, R. B., 34 Birley St.
Myres, (*f*) Veevers & Myres, 37 Birley St.
Nuttall, J. A., 29 Birley St.
Pilling, W. H., 97 Church St.
Thornley, J. B., 14 Birley St.
Todd, J. T. & Son, 25 Birley St.
Waddington, F. T., 10 Birley St.
Wade, H., 27 Birley St.
Warhurst, T., 8 Maple St., Whitegate Drive
Wilkinson, J. W., Cumberland Av.
Wolstenholme, J., Church St.

BOLTON.
Boyle, R., 15 Mawdsley St.
Bradshaw (*f*) & Gass (*f*), 19 Silverwell St.
Cunliffe & Pilling (*f*), 37 Mawdsley St.
Dickinson & Kirkham, 17 Mawdsley St.
Fearnhead, R., 17 Mawdsley St.
Freeman, F., Smalley's Chmbrs.
Green, D. F., 8 Acresfield
Henderson & Brown, 2 Fold St.
Houghton, W. E., 21 Mawdsley St.
Lomax, W. J., 11 Fold St.
McColl, R. B., 22a Lr. Bridgman St.
Morris, J. & Son, 15 Mawdsley St.
Morris & Profit, 16 Nelson Sq.
Ormrod (*a*) & Pomeroy, 21 Acresfield
Potts (*f*), Son (*a*) & Hennings (*a*), 79 St. George's Rd.
a Robinson, M., 24 Nelson Sq.
Scaife, E. J., 88 Chorley Old Rd.
/ Simpson, J, 14 Acresfield
Smith, P. E., Ainsworth Hall, Bolton-le-moors
Smith, T. E., Central Chbrs., Fold St.
Stead & Morris, 17 Acresfield
Temperley, G., 8 Bradford Bldgs., Mawdsley St.
Tong, M. W., 18 Acresfield
Weatherley, T., 19 Fold St.

BURNLEY.
Bell, T., 14 Grimshawe St.
Henshaw, J. T., 9 Grimshawe St.
Hitchon & Pritchard, 46 Manchester Rd.
Jobling, H., & Son, 91 Rectory Rd.
Keighley, S., 25 & 27 Nicholas St.
Lancaster, J., & Son, 16 Nicholas St.
Nutter, A, 23 Nicholas St.
Pickup, J., 46 Manchester Rd.
Pickup, P., Mercantile Chmbrs., St. James' St. (Mill Archt.)
Quarmby, W. A., Imperial Chmbrs., Grimshawe St.
Rawcliffe, G. B., 5 Nicholas St.
Shaw, A. J. (*a*), + Vowles, T. H. (*a*), 69 St. James' St.
Watson & Landless, 2 & 4 Nicholas St.

BURSCOUGH, Ormskirk.
Darby, A., Burscough Bridge

BURY.
Burton, G. F., 139 Manchester Rd.
Burton, J. H., "The Starkies," Manchester Rd.
Cartwright, J., Peel Chmbrs.
Gill, W. E., 6 Fleet St.
Grundy, R., Agur St.
Halliwell, P. T., 29 Garden St.
Hardman, D., Agur St.
Hopkinson, A., 15 Agur St.
Moulds (*f*) & Porritt, Victoria Bldgs., Silver St.
Nuttall, T. & Son, 20 Market St.
Sellers, J., Son & Orrell, Union Chmbrs., Union St.
Simpkin, E, 9 Spring St. (Mill Archt)
Wood, R., 10 Bolton St.

CHORLEY.
Blackburn, R. E., 19 St. Thomas's Rd.
Dinsley, W. H., 12 Cleveland St.
Jolly & Buckley, 9 High St.
Leigh, T., Halliwell St.

CLITHEROE.
Welch, E. T., 10 York St.

COLNE.
Atkinson, W. H., Shaw St.
Bower, G., Keighley Rd.
Holgate & Spivey, Market St.
Mallinson, J., 11 Church St.
Pilling, R. S., Dockray St.

DARWEN.
Sames & Green, Knott St.
Thornley, J. B., 45 Market St.
Woods, C. H., Albert Bldgs., Market Sq.

EARLESTOWN. See Newton-le-Willows.

FAILSWORTH.
Lomax & Lomax, 1 Sisson St., Manchester Rd.

FARNWORTH.
Proffitt, J. T., 115 Market St.

FLEETWOOD.
Andrew, E. J., 6 Albert Sq.
a Drummond B., 4 Albert Sq.
Lumb, T. G., & Co., Estate Office

FORMBY.
Sutton, J. H. H., Freshfield Rd.

GREAT HARWOOD.
Maxwell & Shaw, 41 St. Hubert's Rd.

HASLINGDEN.
Booth, J., & Son, 42 Regent St.
Fielding, H., 2 Beaconsfield St.

HEYSHAM.
Charnley, R., Sandilands

HEYWOOD.
Gill, W. E., 5, Church St.
Mills, J. E., 25 Market Place

HORWICH, near Bolton.
Dyson, E. W., 17 Lee Lane
Palmer, F. M., 3 Lee Lane

LANCASTER.
Ashworth, C. J., Market St. Chmbs.
Austin & Paley (*a*), Castle Park
a Barrow, S. E., Bank Chmbs., Market St.
Harrison, Hall & Moore, 73 Church St.
Parkinson, J., 67 Church St.
Pearson, C. B., 12a Cheapside
Ray, W. B., Arcade Chmbrs.
Roper, & Procter, 32 Market Sq.

LEIGH.
Axon, W. E., 14 Church St.
Banks, Fairclough, & Stephen, Church St.
Crabtree, P., Victoria Chmbrs., Bradshawgate
+ Prestwich, J. C., Bradshawgate Bldgs.
Simpson, C., 50 The Avenue
Travers, T. W., Church St.
Yates, T., "Cheethams"

LEYLAND.
Moss, H. B., 21 Towngate

LITTLEBOROUGH.
Shuttleworth, F. H., Bridge End

LIVERPOOL.
Aldridge, E. C., 14 Castle St.
Allender, G. F., 53 Lord St.
Andersson & Crawford, 36 Dale St.
Ashworth, T. A., 14 Castle St.
Aspinall, H., 36 Dale St.
Atkinson, C. A., 11 Tithebarn St.
Bare, F. B., Central Bldgs., North John St.
f Bare, H. B., 142a Islington
Beckett, R. T., 24 Dale St.
a Berrington, J. A., Dockyard, Coburg Dock
Black, O. D., & Milligan, A. F., Central Chmbs., Sth. Castle St.
Bradbury, G. & Sons, 14 Cook St.
Braham, B., 20 North John St.
Briggs (*f*) & Wolstenholme (*f*), 51 North John St.
Burroughs, J. & A., Vernon St.
f Clarke, J., 34 Castle St.
Cox, Whitham & Pritchard, 19 Old Hall St.
f Culshaw, A., 3 Union Ct., Castle St.
Deacon, C.E. (*f*) & Horsburgh, 12 St. George's Crescent
Dod, J., D16 Exchange Bldgs.
Doyle, J. F., 4 Harrington St.
Dring & Manchester, 67 Lord St.
Ebdy, T. C., 30 High St., Wavertree
Ellison, C. O. (†), & Son (†), 22 Sir Thomas St.
Farmer, F. Q., 36 Dale St.
Finchett, F. W., Produce Exchange, Victoria St.
Fogg, T., & Son, 14 Cook St.
Fraser, F. G., 19 Oldhall St.
a Fraser, G., 20 Castle St.
Fry, H. & A. P., 18 Hackins Hey
Gibson, J. H. S., 41 North John St.
Gilbertson, A., Harrington St.
Grayson (*a*) & Ould, (*f*) Pacific Bldgs., 31 James' St.
Green, Knowles & Russell, 19 Sou John St.
Haigh & Thompson, Imperial Bldgs., Exchange St. East
Harris (*a*) & Hobson (*a*) Commerce Court, 14 Harrington St.
f Harrisson, T. H. Central Bldgs., North John St.
f Hartley, H., 8 Harrington St.
Harvey, C. W., 76 Rodney St.
Hesketh, W. & Co., 62 Dale St.
a Hinde, E. P., c17 Queen Avenue, 10 Dale St.
f Holme, F. U., 1 Crosshall St.
Holt, R., 8 Victoria St.
a Honan, M., 36 Dale St.
Howorth, D. & Son, Lord St.
Hulme, E., Royal Insurance Bldgs., North John St.
Inchboard, J. A., 42 Church Rd., Stanley
a Jones, E. W., 21 Sydenham Av.
Kirby, E. (*f*), & Sons, 5 Cook St.
Law, W. M., 51 North John St.
Lyon, D., 36 Dale St.
Marmon, R., 11 Dale St.
Matear, H. A. (*f*), & Simon, F. W. (*f*), 31 North John St.
May, H., 27 King St.
McGovern, J. H., 26 North John St.
Medcalf & Medcalf, 7 Moorfields
Miller, K., 62 Dale St.
Morter & Dobie (*a*) 24 Dale St.
a Owen, R. W., 60 Castle St.
Pain & Blease, 51 North John St.
f Parslow, W., 57A Dale St.
Peat, F. H., 11 South Castle St.
Pugin & Pugin, 51 North John St.
Rathbone, E., 98 Bedford St.
Reade, T.M. (*f*) & Son, 2 S. John St.
Rees, T. T. (*f*), & Rimmington, F., 51 North John St.
a Reilly, Prof. C.H. (M.A.), 14 Castle St.
Roberts, O., 24 Dale St.
Shallcross, T. M., 6 Dale St.
Simpson, J., 8 Cook St.
Solaini Bros., 71 Lord St.
Smith, C. H., 58 Hale Rd., Walton
Sproat, W. E., 25 Lord St.
a Story, H., 51 North John St.
Sutton, J. H. H., 101 Dale St.
Sykes, R. G., 24 Fenwick St.
Taylor, E. R., 41 Castle St.
Thomas, W. A., 14 Dale St.
+ Thomas, W. W., 25 Lord St.
Thornley, A. L. (*a*) & Hobbs, F. B. (*a*), 51 North John St.
Tonkin, A. E., 36 Dale St.
Troughton & Prescott, 13 North John St.
Wainwright, T. & Sons, 13 Union Court, Castle St.
Walker & Strong, 11 Dale St.
Walker, T. H. W., 5 Harrington St.
Ware, E., 43 Imperial Bldgs., Exchange St. East
Weightman, W. H. & Son, 24 Fenwick St.
Wilkinson, G. H., 19 Sth. John St.
Williams, L. O., 70 Victoria St.
Williams, O., & Sutcliffe, 10 Victoria St.
+ Williams, T. G., 3 Cable St.
Willink (*f*), & Thicknesse, (*f*) 14 Castle St.
Wise, C., 6 Stanley St.
Woolfall (*f*) & Eccles (*f*), 60 Castle St.
Wrennall, W., 9 Harrington St.
Wylie, Robert, 6 Lord St.

LYTHAM.
Gledhill, A. S., Bank Chmbrs.
a Grimble, T. C., Bank Chmbrs., Clifton St.
Haywood (*a*) and Harrison (†), Agnew St.
a Pickup, A., 28 Common Side, Ansdell
Rawcliffe, W., Worsley House, Ansdell
Webb, S. G., Beach St.

MANCHESTER.
a Adshead, C. T., 4 St. Anne's Sq.
Agate, C. G., 14 John Dalton St.
Allen, H. H., 48 Cluny St.
Almond, F., 16 Kennedy St.
Andrews, J. H., & Butterworth, 78 King St.
Avdon, E. H., 35 Moreton Avenue, Stretford, near
+ Bagot C., 134 Deansgate
Banks, Fairclough & Stephen, 67 Princess St.
Barker & Ellis, 20 Cooper St.
a Barker, P., 32 King St. West
a Barlow, L., 8 King St.
Barton, F. G., 54 Princess Rd., Moss Side
Beaumont, J. W. (*f*) & Son, 10 St. James' Sq.
Bindloss, F., 4 Chapel Walks
a Bird, D. T., Brazennose St.
a Birkett, I. R. E., 4 Albert Sq.
+ Booth H., 16 Princess St.
Bowden, J. & Co., 14 Ridgefield
Brameld (*f*) & Smith, 83 Bridge St.
a Broadbent, J. B., 15 Cooper St.
Brocklehurst, A., 30 Brown St.
a Brooke, J., 18 Exchange St.
Brown, G., 8 Exchange St.
+ Caine, C., Grosvenor Chmbrs., Deansgate
Chadwick (*a*) & Booth, 16 Princess St.
Clegg, C. (*f*), & Son, Economic Bldgs., Spring Gardens
Clegg & Thorpe, J., 41 Corporation St.
+ Cook, T. & Sons, 39 Victoria Bldgs., Victoria St.
Cunliffe, T. H., 2 John Dalton St.
Darbyshire, A. (*f*) & Son, 17 Brazennose St.
Deakin, W., 27 Brazennose St.
Dixon, A. E., 65 King St.
a Dixon, F. W., Trevelyan Bldgs., Corporation St.
a Dunkerley, F. B., 17, St. Anne's Sq.
+ Dutch, L. H., 8 Exchange St.
Earnshaw, J. & Son, 16 St. Mary's Parsonage
a Earnshaw, J. R., 4 Chapel Walks
Edwards, F., 9 Albert Sq.
Ellis, H. A., 5 Cross St.
f Elv, J., 32 King St. West
Evans, F., 83 Manchester Rd., Chorlton-cum-Hardy
a Fairhurst, H. S., 7 Chapel Walks
Fitton, T. A., 29 Corporation St.
Flower, E., 9 Oxford St.
France, J. H. 7 Chapel Walks
Gibbons, J. (*f*) & Son (*a*), 4 St. Mary's Passage
Goldsmith, H., 63 Faulkner St.
Greaves, R. W., 20 Cross St.
Greenwood, A. T., 92 Market St.
a Groome, A. R., 2 St. Peter's Sq.
Gunson, W. T. & Son, 10 Marsden St.
Hacking, N. H., 50 Blackfriars
Hall, J. H., 6 South St., Albert Sq.
f Hardisty, W. C., Queen's Chmbrs., John Dalton St.
a Harker, J. D., 78 King St.
a Harris, F. E. L., 1 Balloon St.
Hartland, F. G., 3 Spring Gardens
Heape, R. G., 2 Ridgefield
f Heathcote, C. & Sons, 64 Cross St.
Higginbottom, W. (*f*), & G., 94 Market St.
Hill, O. C., 9 Albert Square
a Hindle, C. A., 11 Bridge St.
Hinnell, H. L., 41 Corporation St.
Holden, J. (*f*) & Son, 5 St. James' Square
a Holt, J., 9 Albert Square
a Hooley, T. W., 67 Deansgate Arcade
f Horsfall, J., 4 Chapel Walks
Horefield, T. & Son, 33 Brazennose St.
Hudson, T. W., 2 Exchange St.
Johnson, W., 27 Oldham Rd., Miles Platting
Kirkley, H., 134 Deansgate
Langham, J., 9 Albert Sq.
Langley, J. B., 49 Deansgate
Leech & Ratcliffe, 7 Brazennose St.
Leeson, E. W., 49 Princess St.
Longworth, W. H., 4 St. Mary's Parsonage, Deansgate
f Lord, H., 42 Deansgate
Maddock, J. W., 5 John Dalton St.
Mangnall & Littlewood (*f*), 42 Spring Gardens
Mangnall, W., 42 Whittaker Lane, Heaton Park
Mather & Graves, 9 Mount St.
Maxwell & Tuke, 25 Brazennose St.
Mayburv, J. H., 25 Booth St.
Mayor, T., 41 John Dalton St.
Mee, F. W. (*f*), & Jennison, A., 32 Victoria St.
+ Meek, G., 4 St. Ann's Sq.
Mills & Murgatroyd, 23 Strutt St.
a Mills, A. H., 33 Brazennose St.
Moulds (*f*) & Porritt, 77 King St.
a Muirhead, T., 31 Market St.
Newby, T. (†), & Son, 31 Market St.
a Oakley, F. P., Haworth's Bldgs., Cross St.
Ogden & Little (*a*), 20 Cross St.
f Ogden, P., 60 King St.
f Oldham, F. H., 16 John Dalton St.
Oldham, R., Temple Chmbrs., Brazennose St.
a Owen, W., Duchy Chmbrs., Clarence St., Albert Sq.
Parker, A. R., 9 Albert Sq.
Potts, (*f*), Son (*a*), & Hennings (*a*), 34 Victoria Bldgs., Victoria St.
a Preston, R. B., 51 South King St.
Price, H. R., 1 & 5 South Corridor, Royal Exchange
a Price, J. H., Town Hall
Radcliffe & Chadwick, 78 King St.
Royle & Bennett, 17 Cooper St.
Salomons & Steinthal (*f*), 78 King St.
Sankey & Cubbon (*a*), 4 Chapel Walks
Seanor, M. & Son, 15 Cross St.
Sellers, J. H., 78 Cross St.
Shaw, A. J. (*a*), & Vowles, T.H. (*a*), 1 Ridgefield
f Smith, F. B., 17 Brazennose St.
Smith, J., 78 Cross St.
Stott & Sons, 5 Cross St.
Swain, C., 12 Exchange St.
Swarbrick, J. (*f*), & J. (*a*), 30 St. Ann St.
Sykes & Evans, 7 Chapel Walks
Taylor, J. M., 7 Chapel Walks
Thomson, E. J. & Son, 19 Dickinson St.
Timperley, G. K., 121 Rochdale Rd., Harpurhey
Towle, J. A., 18 Brazennose St.
Waddington, W. (*f*), & Sons, Mansfield Chmbs., St. Anne's Sq.
Walker, P., Ashton Old Rd., Higher Openshaw, near
Ward, F. D., 3 Norfolk St.
a Ward, W. H. M., Irlam Rd., Flixton
Whitelegg & Whittaker, 196 Deansgate
f Willoughby, G. H., Parr's Bank Chmbrs., York St.
a Wood, E., 78 Cross St.
Woodhouse, (*f*) Corbett (*a*) & Dean 109 King St.
f Woodhouse, E., 88 Mosley St.
Worthington (*f*) & Son (*f*), Brown St.

MIDDLETON.
a Wood, Edgar, Rochdale Rd.

MORECAMBE.
Cressey & Keighley, Bank Chambers, Euston Rd.
Harrison, Hall & Moore, Euston Chmbrs., Euston Rd.
Howarth, H., Balmoral Rd.
+ Sharp, R. P., Bank Chmbrs., West End.

NELSON.
Bell, T., Craven Bank Chmbrs., Carr Rd.
Dent, W., 47 Railway St.
Harrison, J. T., Station Bldgs.
Walmsley, T., 8 Dial St.
Whitaker, H., 21 Market Sq.
Whitehead, V., Hall St.

NEWTON-LE-WILLOWS.
Curran, R. & Son, Cross Lane, Earlestown
Dring, S., 98 Wargrave Rd., Earlestown
Howarth, H., 21 Bridge St., Earlstown

OLDHAM.
Boyter, T., 36 Clegg St.
Cheetham, H., 89 Union St.
Collins, J. & Son, 15 Clegg St.
Dixon, F. W. & Son, 52 Union St.
Fitton, E. E., 42 Clegg St.
Heywood & Ogden, 1 St. Peter's St.
Hilton, T., 7 Union St.
Howcroft, A. J., 2 Waterloo St.
Jenkins, T. W., 25 Queen St.
Johnson, H. M., 12 Clegg St.
Matley, J., 12 Clegg St.
Potts (*f*), Son (*a*), & Hennings (*a*), Prudential Bldgs., Union St.
Stott, J. & Son, 34 Clegg St.
Stott, S., York Chambers, Yorkshire St.
a Taylor, C. T., 10 Clegg St.
Taylor, T., 29 Queen St.
Thorpe, F., 7 Clegg St.
Turner, A., 26 Clegg St.
Winder & Taylor, 61 Union St.

ORMSKIRK.
Beeston, C. S., Albany Bldgs.
Finchett, F. W., Ruff Lane
Medcalf & Medcalf, 9 Railway Rd.
+ Riding, J., Albert Crescent, Southport Rd.
Rimmer, H., Wigan Rd.

OSWALDTWISTLE.
Riley, G., 24 Albert St.

POULTON-LE-FYLDE, nr. Preston
Fairbrother & Hall

PRESTON.
Andrew, E. J., 30 Winckley Sq.
Bush, E., 102 Fishergate
Dixon, F. E., 49 Lune St.
Garlick & Sykes (†), 33 Winckley Sq.
Gilbertson, W. P., 9 Winckley St.
Howarth, H., 7 Lune St.
Harris, J. O., 16 Ribblesdale Place
Littler, H. 16 Ribblesdale Place
Mangan, J. H., 24 Chapel Walks
Munford, W.D.T., 12 Guildhall St.

Myres (*f*), Veevers & Myres, 15 Chapel St.
Park & Son, 18 Winckley St.
Seward, J. A., 148 Church St.
Shepperd, P. H. S., Queen's Chmbrs., Fishergate
Swindells & Rawcliffe, 26 Fishergate

RADCLIFFE.
Grundy, J. & Son, Blackburn St.
Sellers, J., Son & Orrell, Blackburn St.

RAMSBOTTOM.
Garnett, J., 18 Callender St.

RAWTENSTALL, Manchester.
Hobson, F. J., 19 King St.
Spencer, J. H., Bury Rd.

ROCHDALE.
Butterworth, S. & Duncan (*f*), 4 South Parade
Chadwick, A. S., St. Albans' Terr.
Clough, H. H., Butts Avenue
Smith & Cross, Town Hall Chambers, South Parade
Sunderland, J. W., Council Offices, Norden, near
Townend, T., District Bank Chmbrs., Fleece St.

ST. ANNE'S-ON-THE-SEA.
England, Winstanley & England, Carlton Chmbrs.
Kelvey, H. E., Cromford House, The Square
Wade, W., Bank Chmbrs.

ST. HELEN'S.
Baron, J. A., Lytham Chmbrs., Cotham St.
Biram, F. S., Windle Chmbrs., Hardshaw St.
Gandy, J. & W., Masonic Bldgs.
Gandy, J. A., 27 Hardshaw St.
Wilson, J. M., & Son, Bank Bldgs.

SOUTHPORT.
Boden, J., 29 Walmer Rd., Birkdale
Bolshaw, G. E., 371 Lord St.
Brothers, C., 55A Chapel St.
Finchett, F. W., 12 Corporation St.
a Halsall, F. P., Victoria Bldgs., Chapel St.
Halsall, Tonge & Campbell, 120 Lord St.
Hardman, E., 12 London St.
Hodge, T. H., 7 Post Office Avenue, Lord St.
Johnson, E. W., Albany Bldgs., Lord St.
Jones, H., 16 Cambridge Arcade
Lomas, A. D., 76 Hawkshead St.
Packer, S., Shaftesbury Bldgs., East Bank St.
Peach, H. E., 37 Chapel St.
Sanders, J. E., 189 Lord St.
Todd & Morris, 283 Lord St.
Torr, F., 34 Hartwood Rd.
Wilson, G., 10 Nevill St.

ULVERSTON.
Grundy, J. W. & Sons, Central Bldgs., Brogden St.
Settle & Brundrit (*a*), County Sq.

WALKDEN, near Manchester.
Proffitt, J. T., 9 Longley Rd.

WARRINGTON.
a Ball, W. J., 12 Pickmere St.
Beesley, T., 23 Bold St.
Curran, R. & Son, Cairo St.
Owen, W. (*f*) & S. (*f*), 4 Cairo St. Chmbrs.
f Silcock, P., 6 Egypt St.
a Warburton, A., 2 Bold St. Chmbs.
Wright, Garnett & Wright, 45 Sankey St.

WATERFOOT.
Brocklehurst, A., St. James' Chmbrs.

WEST HOUGHTON.
Suddell, A. E., 204 Church St.
Tonge, J., Wigan Rd.

WHITEFIELD, Manchester.
Hinnell, H. L., Church Lane
Thorpe, C.

WIDNES.
Baron, J. A., Central Chmbrs., Victoria Rd.
Barlow, F. E., Ditton Rd. Chmbrs.

WIGAN.
Fleming, R., 20 King St.
Halliwell, P. T., 22 Rodney St.
† Heaton, (†) Ralph, (*f*) & Heaton, Victoria Bldgs., King St.
Johnson, W. B. & Son, 31 King St.
a Ogden, H., Moot Hall Chmbrs.
Ormrod & Pomeroy, Moot Hall Chmbrs.
Pennington, R., Malvern Chmbrs., Library St.
Prescott & Bold, 8 King St.

LEICESTERSHIRE.

COALVILLE.
Goddard & Wain, Station Chmbrs., High St.
McCarthy, T., Central Chmbrs.

HINCKLEY.
Ball & Heaton, 3 The Borough

LEICESTER.
Beasley, J. A. L., 35 Friar Lane
a Bedingfield, R. W., 22 Friar Lane
Bown, T. P., Loseby Lane
a Brand, W., 33 Bowling Green St.
Brown, G. L., Spencer Chambers
Burgess, E., Berridge St.
Carpenter, R. E., 7 Humberstone Gate
a Cooper, F. B., 34 Friar Lane
f Cowdell, W. M., 12 Grey Friars
Day, J., 8 New St.
Draper & Walters, 22 Friar Lane
Everard (*f*) Son & Pick (*f*), 6 Millstone Lane
a Fletcher, J. A., The Corrider Chmbrs.
Goddard, H. L. (*f*), Paget, A. H. (*f*), & Catlow, W. A. (*f*), 8 Market St.
Goodacre, J. F. J., Berridge Chbrs. Berridge St.
a Grewcock, W. T., 8 New St.
Hall, A., 8 St. Martin's
† Hallam, A. H., Denbigh Chmbrs., Bowling Green St.
Harding & Topott, 15 Hotel St.
Harrison & Hattrell (†), 3 Welford Rd.
Harrison, S. (*f*), & Sons (*a*), 7 St. Martin's East
a Hind, A. H., 3 Greyfriars
† Jones, F. H., 5 Greyfriars
Keites, Fosbrooke, & Bedingfield, 20 Market St.
a Kempson, C., Corporation Bldgs.
Langley & Baines (*a*), 16 Friar Lane
Langley, S. H., 1 Berridge St.
f Löhr, C. H., 3 Belmont Villas
Ogden, C., 4 Welford Place
Sawday, A. E. (*f*), & Sawday, T. T. (*a*), 6 Market St.
Seale, F., 16 Bishop St.
Simpson, J. W., Berridge St. Chmbrs.
Simpson, W. H., The Corridor Chmbrs., Market Place
a Stretton, C., Rowton Bldgs., Bowling Green St.
Tait (*f*) & Herbert, 28 Friar Lane
a Thomson, H. H. 4 & 5 Halford Chmbrs.
Wakerley (*f*) & Wells, 14 Market Place
Wigg, J., 5 St. Martin's East

LOUGHBOROUGH.
Barrowcliff, G. H., & Allcock, E. T., (*a*), Town Hall Chmbrs.
Hampton, W. T., Ashby Rd.
Hodson, G. & F. W., Bank Chmbrs.
† King, A. E., Baxter Gate

MARKET HARBOROUGH.
Coales & Johnson (*f*), Bank Chbrs.

MELTON MOWBRAY.
Jeeves, E., Nottingham St.
Shelbourn, E., Cornhill Chmbrs.
Wakerley, J. E., 10 Church St.

WOODVILLE (Burton-on-Trent).
Rowley, J. W., High St.

LINCOLNSHIRE.

BOSTON.
Rowell, J., Church Lane

GAINSBOROUGH.
Green, E. F., 24 Silver St.
Eyre, W., Silver St.

GRANTHAM.
Bond, W., 11 Elmer St.
Burt, J. T., Commercial Rd.
Mettham, J. A., 19 Market Place
† Shelbourn, M., Belvoir, near

GREAT GRIMSBY.
Bentley & Hall, 1 Pelham Chmbs., Old Market Place
a Cresswell, J. J., 77 Victoria St.
Croft, F. W., 87 Victoria St.
Goodhand, E., 154 Legsby Avenue
Robertson, R. A., 103 Victoria St.
Scaping, H. C., Court Chmbrs.
Skill, A. E., Macaulay Terrace

LINCOLN.
Cooper, J. H., Lindum Rd.
a Dunn, H. H., St. Peter's Churchyard
Halkes, J. R., 11 Mint St.
Mortimer, W. & Son, 6 Corporation St.
Scorer (*a*) & Gamble (*a*), Bank St. Chmbrs.
Thropp, J., & Harding, C. (*a*), 29 Broadgate
Watkins, W. (*f*), & Son (*a*), St. Edmond's Chmbrs., Silver St.

LOUTH.
Bentley & Hall, 20 Corn Market
Fowler, R. H., Gospelgate

MABLETHORPE.
a Hunt, C. W., 5 Tennyson Rd.

SKEGNESS.
Bridges, W. H., 21 Lumley Rd.
Jones, S. C., Estate Offices, Roman Bank

SLEAFORD.
Clare, J.
Walker, H. & Son, Southgate

SPALDING.
Hand, R. H. H., 6 Double St.
Mills, W. H., 14 Up. Welland Ter.

SPILSBY.
Butcher, J. E., Boston Rd.

STAMFORD.
† Corby, J. B. & Son, 15 All Saints' Place
Richardson & Son, 15 Barn Hill
Traylen, J. C. (*a*) & Son (*a*), 15 Broad St.
Ward, T. J., 6 Ironmonger St.

WOODHALL SPA.
a Caine, R. A., "Daheim"

MIDDLESEX.

ACTON.
Easton, W. J., 82 Twyford Avenue, Acton Hill
f Löhr, C. H., 11 Maldon Rd.
Mercer, F. H., "Grassmere," Springfield Park
Monson, E. C. P. (*f*†) & H., 182 High St.
a Pratt, G. P., 205 High St.

BRENTFORD.
Woodbridge, S., jun., 210 High St.

CHISWICK.
† Emerson, H. V. M., Estate Offices, Sutton Court
a Gregory, L. C., 2 Burlington Gardens
Hearn, W., Burlington Court, Grove Park West
Hume, J., 109 High Rd.
Mason, I., "Ennismore"

EALING.
Best, A. J., 6 Mount Park Rd.
Hall-Jones, F., 41 The Broadway
Wornell, J., 40 Northcroft Rd., West Ealing

EDGWARE.
Bennett & Richardson, High St.

EDMONTON.
† Dobb, H. W., Town Hall, Lower Edmonton

ENFIELD.
Cobb, C. M., Old Vestry Offices, Enfield Town

FINCHLEY.
Bennett & Richardson, The Broadway, Church End
Blyton, G., 16 The Hawthorns, Church End
Horsley, H. W., "Somerville," Church Crescent
Thompson, F. D., "The Oaks," Woodside Park

HADLEY WOOD.
Kingwell, A. E., Beech Hill Park

HAMPTON-ON-THAMES.
Hughes, F. G., Estate Office, Railway Station
Rogers, W. H., The Feathers

HAMPTON HILL.
Pearsall, R., 1 Addiscombe Villas

HANWELL.
Barnes, S. W., Cherington House
f Pywell, W., Cumberland House
a Reid, R. A., 24 Shakespeare Rd., Drayton Park
Thomas, J. G., 10 Rosebank Rd.

HARROW.
Barker, A. R.
Clarke & Co., Peterborough Road
Cowell & Shaw
Kerkham, Burgess & Myers, Station Road
Lester, J. M., 9 Hindes Rd.
Marsh (Vernon) & Crooke (*a*), Metropolitan Station Approach
Quartermain, A. I., 20 Warrington Rd.

HENDON.
† Egan, S. H., Rutland Villa, Sunny Gardens

ISLEWORTH.
Simpson, P., The Poplars, Thornbury Rd.

NEASDEN.
Willis, E., 9 Prout Grove

RUISLIP.
Mansford, F. H.

SOUTHALL.
Taylor, E., 3 Broadway Buildings
Toombs, E. A., 4 King's Avenue, Greenford

STANMORE.
Wilson, W.

TEDDINGTON.
a Brede, A. R., The Cottage, Kingston Lane
Hodge, V., 13 Grand Parade
Warren, G., "The Studio," Anlaby Road

TOTTENHAM (see London).

TWICKENHAM.
f Bibby, G. H., 69 Queen's Rd.
Cheers, H. A., 35 Waldegrave Pk.
Frazer, L., "Cole Croft," London Rd.
Goadby, H., Bank Chambers.

UXBRIDGE.
Eves W. (*a*) & F., 54 High St.
a Heron, A. H., 153 High St.

WEST DRAYTON & YIEWSLEY.
Winterburn, A. H., High St.

WHETSTONE.
† Shenton, F. W., "Penrith"

MONMOUTHSHIRE.

ABERCARN, near Newport.
† Roberts, R. L., The Firs, West End

ABERGAVENNY.
Foster, E., Bella Vista
* Francis, B. J., 12 Cross Street
f Johnson, E. A., St. Mary's Chmbrs

ABERTILLERY.
Lewis, N., Oak St.

BLACKWOOD.
Davies, A. H., High St.
Thomas, D. J., 99 High St.

MONMOUTH.
† Davis, E. G., 25 Agincourt Sq.
f Powell, F. A., Agincourt Sq.

NEWPORT.
f Bain, J., Market Arcade Buildings
Bates, F. R., 26 Westgate Chmbrs.
Davies, A. H., Albany Chambers
Fox, C. J., 26 High St.
Gardner, W., 14 Victora Rd.
Graham, Hitchcox & Co., Bank Chambers, Bridge St.
a Griggs, H. J., Metropolitan Bank Chambers, Commercial St.
f Groves, J. F., Tredegar Estate Office
Habershon, Fawckner (†) & Co., 41 High St.
Hodge, R. J. P., 2 Dock St.
Kirby, Son & Brown, 11 Skinner St.
Lawrence, B. Austen Friars Chambers
Lawrence, R. F., Austin Friars Chambers
Linton & Barker, (*a*) Westgate Chambers
Rennie, J. H. & Co., 6 Skinner St.
Sheppard, A. E., 39 High St.
Shute, W. H., Western Mail Chambers
Swalwell & Havard, Steam Pkt. Chambers, Dock St.
f † Swash, A., Midland Bank Chambers, Bridge St.
a Ward, C. F., Town Hall

PONTYPOOL.
Fisher & Sons, Club Chambers
Lougher, D. J., Bank Chambers

TREDEGAR.
Williams, W. S., Elmwood

NORFOLK.

CROMER.
Scott, A. F.

HUNSTANTON.
f Ibberson, H. G.
MacAlister (*f*) & Skipper, Royal Parade

KING'S LYNN.
Colman, E. E., 41 Railway Rd.
a Green, H. J., Paradise Parade
MacAlister (*f*) & Skipper, Bank Buildings

MUNDESLEY, North Walsham.
a Goldie, T. I., Osborne House
NEW WALSOKEN.
Kerridge, J., & Sons, 118 Norwich Rd.
NORWICH.
Beck, C. S., 11A Prince of Wales' Rd.
Boardman, E. (*f*), & Son (*f*), Queen St.
Bond, J. O., 29 Castle Meadow
Brown, C. J., Cathedral Offices, Lower Close
Chambers, A. J., St. Giles' Plain
Collins, A. E., Guildhall
† Dun, J. H., 165, Earlham Rd.
† Dunham, W. J., Opie St.
a Goldie, T. I., Bank Bldgs., Bank Plain
a Green, H. J., 31 Castle Meadow
Havers, A. C., 1 Bank Plain
Heslop, T. H. B., 12 Upper KingSt
Lacey (†) & Upcher, 6 Up. King St.
Morgan & Buckingham, 3 Redwell St.
Postle & Webster, Redwell St.
Scott, A. F., 24 Castle Meadow
Skipper, G. J. (*f*) & F. W., 7 London St.
a Tench, E. J., 14 Upper King St.
SHERINGHAM..
a Goldie, T. I., Church St.
Havers, A. C., High St.
WELLS.
Plowman, J., High St
YARMOUTH, GREAT.
Baker, C. G., Town Hall Chmbrs.
a Hewitt, A. S., 23 Regent St.
Olley & Haward (*a*), 5 Queen St.
† Rivett, S., 5 South Quay
Teasdel, J. E., 3 Queen St.
Waller, G., 34 Hall Plain

NORTHAMPTONSHIRE

DAVENTRY.
Williams, J. B., Moot Hall
DESBOROUGH.
Cayley (*a*) & Rochester (*a*), 1 St. Anthony's Hill
KETTERING.
a Allen, F. H., 28 King St.
a Batley, C., Gold St. Chambers
Blackwell J. T., 53 High St.
† Cooper & Williams, Central Chambers, Market Place
Gotch (*f*) & Saunders, Bank Chbrs.
NORTHAMPTON.
Anderson, A. E., Abington St.
Brown & Mayor, 80 Abington St.
Brown, F. G. V., 27 Market Sq.
Butcher, H. J., 20 Abington St.
a Danford, E. R., St. John's Chambers, Newland
Dorman, C. & Son, 53 Abington St.
a Dorman, F., Market Sq.
Goulding, E. F., 1 St. Giles Sq.
a Holding, M. H., Corn Exchange
Hull, W., 12 St. Giles St.
Ingman, J., 33 Wood St.
Law & Harris (*f*), 1 Sheep St.
Mander, J., Overstone Park, near
Norman, H., 14 Market Sq.
Piccaver, J. A., 1 St. Giles Sq.
Scrivener, H. M., 3 Fish St.
Shaw, W., 29 Abington St.
Stevenson, G. H., All Saints' Chmbrs.. Mercers Row.
PETERBOROUGH.
† Boyer, W., Market Chmbrs., Market Place
Dodson, S., Central Chmbrs., Cowgate
Ruddle, A.W., Cathedral Gateway
Stallebrass, J. G. & Sons, 26 North St.
Townsend, H. M. (*a*) & Fordham Cross St.
ROTHWELL, Kettering.
Cayley (*a*) & Rochester (*a*), Bank Chmbrs.
RUSHDEN.
† Cooper, H. A., High St.
Preston & Wilson, High St.
WELLINGBOROUGH.
Brown, W. T. (*f*), & Fisher, J. W., (*f*), "Burysteed."
Sharman & Archer, Sheep St.

NORTHUMBERLAND.

ALNWICK.
Douglas, J. W., 40 Bondgate Without
Hindmarsh, W. R., 59 Bondgate Within
a Reavell, G., junr., Bondgate Within, & Market St.
Wilson, M. T., 69 Narrowgate
AMBLE.
Turnbull, G. I., Middleton St.
ASHINGTON.
Blyth, O.
BENWELL, OLD, Newcastle-on-Tyne.
Thompson, J. W.
BERWICK-ON-TWEED.
Gray, W. & Nephew, 2 Ivy Place
Miller, J. L., 39 Hide Hill
Stevenson, J. & Son, North Ter.
BLYTH.
Windle, A. A., 2 Bridge St.
CULLERCOATS.
Hope, W., Beverley Lodge
Turnbull, G. I., 28 Beverley Ter.
HALTWHISTLE.
Hastewell, E.
HEXHAM.
Wilson, H. E. G., Orchard Place
MORPETH.
Loades, L. A., Market Place
Murphy, C. F., Newgate St.
a Reavell, G., junr., 51 Bridge St.
NEWCASTLE-ON-TYNE.
† Anderson, T. L., 4 Royal Arcade
Armstrong (*f*) & Wright (*f*), 38 Grainger St. West
† Badenoch & Bruce, Emerson Chambers, Blackett St.
Bedlington, W., 23 Eldon Sq.
Bell, W., Central Station, Neville St.
Bendle, W. H., 33 Grainger St.W.
† Bowman, E., 52 Westgate Rd.
Boyd (†) & Groves, Emerson Chmbrs., Blackett St.
Cackett, J.T. (*f*), & Dick, R.B.(*f*) Pilgrim St.
a Chapman, H., 12 Grey St.
Crone, J. G., 50 Grainger St.
Davidson & Phillipson, Pearl Bldgs., Northumberland St.
Dawson, T., 2 Collingwood St.
Dotchin, F. E., 61 Westgate Rd.
Douglas, J., 1 St. Nicholas Bldgs.
Dryden, F. M., 4 Market St.
Dunn, Hansome & Fenwicke, Pearl Bldgs., Northumberland St.
† Dyson, J. W., 67 Grey St.
a Errington, C. S., 21 Grainger St. West
Farthing(†)&Dunn, 13 Shakespeare St.
Fatkin, I. N., 1 St. Nicholas Bldgs.
Frazer, J. W. (*a* †), & Corking, 49 Grey St.
Graham, M. H., 1 Eldon Sq.
Gray, J. G., 21 Grainger St. West
Hicks & Charlewood (*f*), 67 Westgate Rd.
Hill, D., 26 Northumberland St.
† Hill, J. J., 188 Shields Rd.
Hope, W., Trinity Chmbrs., New Bridge St.
James, C. D., Pearl Assurance Bldgs.
f Knowles, W.H., 25 Collingwood St.
Kyle, A. G., 1 St. Nicholas Bldgs.
Liddle (†) & Browne, Prudential Buildings, Mosley St.
† Lish, J. J., "Craigielea," Heaton Rd. North
Mackay, T., 34 Oakland Rd.
a Maxwell, J. C., 25 Eldon Sq.
Morson, J., 77 Westgate Rd.
f Morton, J. H., 57 Westgate Rd.
Mould, S. M., 100 Pilgrim St.
Newcombe (*f*) & Newcombe (*a*), 89 Pilgrim St.
Nicholson, J. L., 12 Grey St.
Oliver, Leeson & Wood (*f*), Milburn House, Dean St.
Orwin, J., 20 Collingwood St.
Oswald, J. (*f*) & Son, Worswick Chmbrs., Worswick St.
Parsons, J. C., 21 Grainger St. W.
f Plummer, A. B., 13 Grey St.
Reay, T. & Son, 95 Pilgrim St.
a Reed, M., 107 Northumberland St.
f Rich, F. W., 1 Eldon Sq.
Robins, S. D., 129 Percy St., Barras Bridge
Ross-Hunter, A., 75 Rothbury Ter., Heaton
a Rounthwaite, J. W., 13 Mosley St.
Shewbrooks (*f*) & Hodges, 24 Grainger St. West
Sharratt & Holt, Murton Chmbrs., Grainger St.
Simpson, (*f*), Lawson & Rayne, Emerson Chmbrs., Blackett St.
Spurgin, K. B., 4 New Bridge St.
Stobbs, W., Pandon Bldgs., Melbourne St.
† Stockwell, A., 11 Pilgrim St.
Taylor, H. W., St. Nicholas Chambers, Side
f Taylor, J. W., St. John's St.
Thompson, J. W., 63 Grey St.
Walker, C., Eldon Sq.
Watson & Curry, Pearl Buildings, Northumberland St.
Watson & Scott, 48 Dean St.
Watson, H., Brough's Chambers, Oxford Street
White & Stephenson, 59 Grey St.
Wilkinson & Crowley (*a*), 30 Mosley St.
Wilson, H. E. G., The Hall, Forest Hall
NORTH SHIELDS.
Alexander, J. T., 56 Camden St.
Gibson, H., Wellington Chambers
f Haswell, F. R. N., 77 Tyne St.
Marshall & Tweedy, Camden St.
a Maxwell, J. C., 68 Howard St.
Spencer, J. P., 30 Howard St.
Stienlet, P. J., Rudyard St.
Tasker, A. K., Howard Chambers
Walker, F. T., 70 Pilgrim St.
Wallace, J., Post Office Chambers
TYNEMOUTH.
f Plummer, A. B., Prior's Terrace
WALLSEND.
Davidson, J. F., Station Rd.
WILLINGTON QUAY.
Davidson, J. F., Council Chmbrs.
WOOLER, S.O.
Hindmarsh, W. R., High St.

NOTTINGHAMSHIRE.

ARNOLD.
Higginbottom, W. H., Front St.
Swift, J. R., Front St.
BEESTON.
a Mason, C.
CARLTON, Nottingham.
† Whitbread, R., Station Rd.
COLLINGHAM, Newark.
Loveday, A., High St.
EASTWOOD.
Twells, A. E., Nottingham Rd., Hill Top, near
HUCKNALL TORKARD.
† Spencer, H., Rhodes Buildings
MANSFIELD.
Butterworth, J., 124 Stockwell Gate
† Cook, F. P., 54 Leeming St.
Dean, E. B., Market Chambers
Dodsley, W., 14 Stockwell Gate
Goodacre, J. E., Stockwell Gate
Vallance, R. F. (*f*), & Westwick, L. A. (*f*), White Hart Chambers
Vallance, G. A., Sherwood Chmbs.
NEWARK.
Bailey & Wood, Carter Gate
Saunders (*a*) & Saunders, Imperial Chambers
Sheppard & Lockton, Bargate
NOTTINGHAM.
Allcock, H., Bentinck Bldgs.
Ball, F., 23 King St.
Barnes, I. W. J., 32 King St.
Booker, W. & R. & F., 32 King St.
Brewill (*f*) & Baily, (*f*) 44 Parliament St.
a Bright, L., 9 St. Peter's Church Walk, Pepper St.
f Bromley, A. N., Prudential Bldgs.
Butlers, B. H., Albion Chmbrs., King St.
Calvert & Gleave (*a*), 18 Low Pavement
Child (*a*) & Watts, 12 Middle Pavement
Collyer, F. H., Bentinck Bldgs., Wheeler Gate
Doughty, G. S., 21 Victoria St.
Elliott & Brown, Burton Bldgs., Parliament St.
Evans, (*f*), & Son (*f*), Eldon Chmbrs., Wheeler Gate
Fothergill, W., 18 George St.
† Gill, H, 2 Cobden Chmbrs., Pelham St.
Goodall, H. H., Brougham Chmbrs., Wheeler Gate
Heazell (*f*) & Sons (*f*), Burton Bldgs., Parliament St.
Hendy, A., Milton Chmbrs., Milton St.
Hickson, W. O., 13 Victoria St.
Higginbottom, W. H., 2 Friar Yard, Friar Lane
f Howitt, J., Bentinck Chambers, Wheeler Gate
Lamb, J., King John's Chambers, Bridlesmith Gate
Lambert, A. E., 22 Park Row
a Marshall, A., Russell Chambers, King St.
Martin, F. C., Dubley Place, Angel Row
Parkin, F., Prudential Bldgs.
Parry, E., 28 Park Row
Pratt, W. D., Couldon Chambers, Long Row East
Prior, P. D., Milton Chmbrs. Milton St.
a Savidge, W. B., Queen's Chmbrs. King St.
Shaw, Son & Hemingway (*a*), Pelham Chmbrs., Angel Row
Starr, W. B., 12 St. Peter's Gate
Stevenson, S. R., 12 Burns St.
Sutton, E. R. (*f*) & R.C., Bromley House, Angel Row
Swann (*a*) & Wright, Brougham Chambers, Wheeler Gate
Walker, H. (*f*) & Son, 32 King St.
Wright, T., York Chmbrs., King St.
NUTTALL.
Taylor, S.
RETFORD.
Southall, W., Chapel Gate
SUTTON-IN-ASHFIELD.
Adlington, J. P., High Pavement
WEST BRIDGFORD.
Holbrook, A. J., Wilford Lane
Shepherd, W., 15 Rosebery Ave.
Smith, W. A., 138 Holme Rd.
WORKSOP.
Allsopp, E., 38 Sherwood Rd.
Dean, E. B., Bridge St.
Flockton (*f*), Gibbs (*f*) & Flockton Park St.
Hopkinson, F., 40 Bridge St.
Pennington, T. H., City Bank Chmbrs., Bridge St.
Richardson, A. H., Market Place
Shardlow J. T., 61 Carlton Rd.
Sorby, F. L., Sherwood Rd.
Webster, T., 1 Market St.

OXFORDSHIRE.

BANBURY.
Allen, A. E., 31A Bridge St.
Timms, J., 35 South Parade
BICESTER.
Gibbons, H. J., Launton Rd.
CAVERSHAM (Reading).
Hambling, W. G. A., 11 Bridge St.
Wing, W., 11 Bridge St.
GORING-ON-THAMES.
Dodd, J. S.
HENLEY-ON-THAMES.
Fair & Meyer (*a*), 5 Reading Rd.
Wing, W., 1 Post Office Buildings
OXFORD.
Allfrey, E. W., 2 St. Michael's Chmbrs.
Drinkwater, G. C., 133 High St.
Gardiner. G., 32 Beaumont St.
Gray, J. C., & Son, 5 Blackhall Rd.
† Harrison Bros., 6 Turl St.
a Mills, W. E., 18 George St.
Moore, W. (*f*) & Warwick, W.H., 6 Beaumont St.
† Mountain, F., 13 & 14 Cornmarket St.
Mowbray, A. M., 117 St. Aldate's
Quinton, H., 22 George St.
Rowley, A. J., 7 Turl St.
f Salter, S., Bank Chambers, Carfax
† Sidford, A. E., 15 Magdalen St.
Tollit (†) & Lee, 7 St. Aldate's
Wilkins, J. R., 137 High St.
THAME.
Manning, G. H., High St.
WITNEY.
Wilkins, J. R.

RUTLANDSHIRE.

UPPINGHAM.
† Corby, J. B. & Son

SHROPSHIRE.

CHIRBURY, S.O.
Morris, E. H. & Son
MARKET DRAYTON.
a Beckett, J. H.
OSWESTRY.
Bremner-Smith, E., & Bremner, Oswald Rd.
Shayler & Ridge, Bank Chmbrs.
f Spaull, W. H., 24 Upper Brook St.
SHREWSBURY.
Brown, J., 26 Castle St.
Davies, F., & Son, 36 Castle St.

Deakin (A. B. (†) & W. Scott) (†), 12A Pride Hill
† Dickens-Lewis, G., Talbot Chmbs.
Nurse, J., 37 Belle Vue
a Oswell, A. E., Dana Chambers
Shayler, F. H., 16 Pride Hill

WELLINGTON.

Fleeming, T. H. & Son, Bank Chbrs.
Jenkins. A., Market St.

WHITCHURCH.

Pickard, J. H., Camden House, Talbot St.
Webb, W., 14 Bargates

SOMERSETSHIRE.

BATH.

Brinkworth. R. E., 16 Old Bond St.
Gardiner, F. W., 6 & 7 Barton St.
Gill, W., 1 Fountain Bldgs.
a Green, M. A., 5 Prince's Bldgs.
+ Matthews, H. W., Institute Chambers, Terrace Walk
Oliver, C. B., & E. K., 16 Green Park
Payton, E. S., 3 Wood St.
Silcock, T. B., & Reay, S. S. (f), 47 Milsom St.
Stone, S. J. C., 15 Orange Grove
Taylor, A. J., 18 New Bond St.
Willcox, W J., 1 Belmont

BRIDGWATER.

Cabbutt, F. H. J., 3 St. Mary St.
Hill, J. W., King St. Chambers
Morris, J., & Miss V. S., Four Oaks, near
Samson, C. H. (f), & Cottam, A. B. (a), 43-45 High St.

BRUTON.

a Pictor, A. J.

BURNHAM, S.O.

Derrick, G. A., 11-13 College St.
Jacques, H. S., 41, College St.
Palmer, J. H., & Sons, Alfred St.
Press, W. J., College St.
Wilde, S. J., & Fry, 24 Victoria St.

CHARD.

f Yeomans, A. W., Cornhill

CLEVEDON.

Hoddell, J. & Co., Alexandra Rd.
Middle, C. R., Lindon Rd.

FROME.

Beynon, J. A., Nunney Rd.
Long & Glass, 9 The Bridge
† Riggs, P. B., 3 Cork St

GLASTONBURY.

Alves, G., Norbins Rd.
Spire, J., "Ivydene"

MIDSOMER NORTON.

Bird, W. F., The Island

MINEHEAD.

Cox, A. L., 5 The Avenue

STREET.

Reynolds, W., 46 High St.

TAUNTON.

f† Roberts, F. W., 2 Hammet St.
Samson, C. H. (f), & Cottam, A. B. (a), 1 Hammet St.
Spencer, J. H., 5 Hammet St.
Sprankling & Price, 16 Hammet St.
† Strawbridge, G. C., Alma St.

WELLINGTON.

Howard, E. T. & Son

WELLS.

Brown, C., Chamberlain St.
Budd, H. C., & W. E., 27 Sadler St.
Hippisley & Sons, Chamberlain St.

WESTON-SUPER-MARE.

f Bryan, H. D., 5A Waterloo St.
Palmer, J. H., & Sons, 22 Regent St.
Price, H., & Jane, W., Waterloo St.
Ridgeway, M. S. "Wanowrie" Manor Rd.
+ Smith, R. I., Whitecross Rd.
Wilde, S. J., & Fry, Boulevard Chmbrs.

YEOVIL.

+ Bellamy, F. J., 18 High St.
Benson, C. & C. B. (†), 11 Hendford
a Johnston, J. N., 21 Princes St.

STAFFORDSHIRE.

BILSTON.

Plant, G. H., Willenhall Rd.

BLACKHEATH.

Edwards, W. F., Station Rd.

BROWNHILLS.

Shaw, J. H., High St.

BUCKNALL, Stoke-on-Trent.

Beardmore, J., "The Poplars"

BURSLEM.

Ford & Slater (†), Over House Chmbrs.
Longden, R. T., Moorland Rd.
Mellor, F. A., Moorland Rd.
Walley, W. H., 11 Queen St.
Wood & Son, Market Place

BURTON-ON-TRENT.

Beck, H., 10 High St.
Forshaw, E., Market Hall Chmbrs.
Jenkins, T., Arcade Buildings, Station St.
Lander, J. M., "Alrewas"
Stevenson, R., 34 High St.
Underhill, C. F., Midland Chmbrs., Station St.

CANNOCK.

Horton, H., Bank Chmbrs. Wolverhampton Rd.

CHASETOWN.

Horton, H.

CRADLEY HEATH.

Butler, A. T., High St.
Pritchard & Pritchard, High St.

DARLASTON.

Joynson Bros., Butcroft
Morgan, W., Pinfold St. Chmbrs.

FENTON.

Ashworth, S. B., 163 Market St.
Hallam, J. T., Blurton Rd.
Lawson, F. R., Church St.

FORSBROOK.

Maddock, E. L., Blyth Bridge

HANDSWORTH (Birmingham).

f Noyes, J. G. F., Heathfield Estate Office
Oldacre, R. S., 29 Broughton Rd.
Shaw, J. R., 22 Richmond Rd.
Silver, T., 120 Soho Hill

HANLEY.

Arrowsmith, R., 2 Sentinel Bldgs.
Brealey, J. T., Piccadilly Bldgs.
† Campbell, W., 2 Bagnall St.
Clark, F. S., Market St.
Dain, R. & Son, Victoria Chmbrs., Miles Bank
† Jones, E., 10 Albion St.
Maddock, E. L., & Sons, 30 Albion Place
Miller, A. P., Frederick St.
Scrivener, R. & Sons, Howard Pl.
Wood, A., & Son, Snow Hill House

HEATH TOWN, Wolverhampton.

Worrall, A. W., 22 Heath St.

LEEK.

Brealey, J. T., 1 Stockwell St.
Longden, R. T., Church Lane
f Sugden, W., & Son, 13 Derby St.

LICHFIELD.

Barrett, G. W., Chesterfield Rd.
a Marks, D. C., 45 Market Square
Perry, W., 39 & 41 Bore St.

LONGTON.

a Beckett, J. H., 18 Market St.
Bloor, E. H., 21 Furnace Rd., Normacot
Burgess, H., 129 Stafford St.
Jackson, J. F., 11 John St.
a Taylor, J., Portland Chmbrs., Church St.
Tindal, T., District Bank Chmbrs., Market St.
Wilshaw, H. J., 6 Market St.
Wood, W., Crown Bldgs., Stafford St.

NEWCASTLE-UNDER-LYME.

Chapman & Snape, 5 Lad Lane
James, T. H., Brunswick St.
Jones, A. E., 3 Brunswick St.

RUDYARD.

Brealey, John T., "Holly Bank"

RUGELEY.

Rogers, W. E., Anson St.

SMETHWICK (Birmingham).

Bowden, G. & Son, Toll Gate Bldgs., Cape Hill
Fenton, W., Bearwood Hill
Gill, F. J., 42 High St.
Hollier, S. W., 185 Bearwood Hill

STAFFORD.

Cheadle, W. H., County Bldgs.
Glass, R. A., 3 Crabbery St.
Miller, C. W., 57A Greengate St.
Sandy, H. T., 22 Greengate St.
Wormal, G., 19 Greengate St.

STOKE-UPON-TRENT.

Beardmore, J., 27 Glebe St.
Bowen, W. & Son, 29 Glebe St.
Lynam (f), Beckett (a) & Lynam, Wolfe St.
Moss, A. W., Glebe Bldgs., Glebe St.
Piercy, A. R. P., Old Bank Offices

STONE.

Arrowsmith, R., Gower St.
Chapman, J. J., Lichfield St.
Miller, A. P., Airdale Rd.
Redman, J. S., Gower St.

TAMWORTH.

Godderidge, J. W., 4 Bolebridge St.
Newton, T. W. F., & Cheatle, Victoria Chmbrs.

TIPTON.

Coslett, E. G., Dudley Rd., Tividale
Pearson, J., Great Bridge
Powell & Brown, 3 Owen St.
+ Wenyon, G. H., 9 Owen St.

TUNSTALL.

Dain, H., 116 High St.
Wood & Son, Town Hall

UTTOXETER.

Forshaw, E., Balance St.

WALSALL.

Bailey (f) & McConnal (f) "Kingscourt," Bridge St.
Best, N. E. & Son, 145 Lichfield St.
Cale, G. H. V., Leicester St.
Fleeming, T. H. & Son, Birmingham Rd.
Frankham & Cresswell, Estate Offices, Bridge St.
Hickton, J. H. (f), & Farmer, H. E. (f), Bridge St.
+ Lavender, H. E., Ye Olde Queen's Chmbrs., Bridge St.
Marston & Healey (†), Metropolitan Bank Chmbrs.

WEDNESBURY.

Butler, S., Market Place
Cooper & Day, 8 Springhead
Joynson Bros., Springhead
Scott, A. I., Regent Chmbrs.

WEST BROMWICH.

Allen, J. W., 298 High St.
Hadderton, W., 80 Paradise St.
Holliday, S. J., New St.
Long, A., 21 New St.
Pincher, E., 31 High St.
Siddaway, S. E., 318 High St.
+ Weynon, G. H., Alma House, Great Bridge St.
Withers, J., 319 High St.
Wood & Kendrick, 315 High St.

WILLENHALL.

Baker, J. P., 33 Market Place
Johnson & Baxter, 1 Walsall St.
Law, R., 2 New Rd.

WOLVERHAMPTON.

Beck, F. T., Wulfrun Chambers, Darlington St.
Clark, F. S., Jeffcock Rd.
Eachus, S. H., Temple Chmbrs., Lichfield St.
Edwards, W., 25 Darlington St.
Fleeming, T. H. & Son, 10 Queen Square
+ Johnson, M., 44 Queen St.
f Lavender, J., Gresham Chambers, Lichfield St.
a Lynes, F. H., Gresham Chambers, Lichfield St.
+ Oliver, W. J., 1 Darlington St.
Painter, A. E., 43 Lichfield St.
Shaw, C., Prince's Chambers, Prince's Sq.
Veall, A., 84 Darlington St.
Weller, J., & Sons, 15 King St.
+ Worrall, A. W., Queen's Chmbrs., North St.

SUFFOLK.

ALDEBURGH-ON-SEA.

Key, T. E.
Woodcock & Henry

BECCLES.

Banham, F. E., Grange Rd.
Pells, A., London Rd.

BURY ST. EDMUNDS.

+ Ainsworth-Hunt, A., 51 Abbeygate St.
Andrews, A., 8 Lower Baxter St.
Flatman, J., 58 Abbeygate St.
Naish, S., The Croft
Rutter, Sons & Lloyd, 30 Abbeygate

FELIXSTOWE.

Buxton, H. W., 26 Hamilton Rd.
Leighton, G. W., Orwell Rd.
Steward-Watling, H., 24 Victoria Parade
a Wrinch, R. C., Leopold Rd.

GORLESTON, Great Yarmouth.

Arnott, H. D., 171 High St.
Cockrill, W. B., Post Office

IPSWICH.

a Batley, C., Little Roundwood
Bisshopp & Cautley (a), 32 Museum St.
Brown & Burgess, County Chmbrs., Arcade St.
Brown, W. H., 6 Museum St.
Corder, J. S., Wimborne House, Tower St.
+ Cotman, T. W., 7 Northgate St.
Crossley, F. W., St. Mildred's Chambers, Cornhill
Eade, W. (f), & Johns, E. T., Tower Chambers, Tower St.
Leighton, G. W., 6 Princes St.
Scheuermann, J. A., 9 Northgate St.
Steward-Watling, H., 4 Tavern St.
Winkworth, H., Tower Chmbrs., Hatton Court
+ Wright, H. J., 4 Museum St.
a Wrinch, R. C., 16 Museum St.

LOWESTOFT.

Bignold, H., St. Peter's Rd., Kirkley
+ Blyth, H. C. W., Victoria Chmbrs.
Clarke, A., 126 London Rd.
a Cockrill, S. R., Crossley House, Denmark Rd.
Knights, G. T., 44 Milton Rd.
+ Richards, F. W., 14 Stanley St.
Roberts, W. J., 124 London Rd.
Steward-Watling, H., 41 London Rd.

STOWMARKET.

† Bishop, H. G., Bury St.
a Turner, P. J., Market Place

SUDBURY.

+ Ainsworth-Hunt, A., Market Hill

SURREY.

BARNES.

Spiller, F. C., 18A St. Ann's Ter.

CAMBERLEY.

Hodgson, W. J., "Vectis," The Avenue
Sarel, W., 63 High St.

CATERHAM, S.O.

Eliff, F., Caterham Valley
+ Kempster, L. J.

CHERTSEY.

Brée, C., London St.

CROYDON.

a Bates, E., 2 Imperial Buildings
Berney (a) & Son, 104 George St.
a Broad, A., 22 George St.
f Brodie, C. H., 17 Sydenham Rd., N
Chart, (†), Son, & Reading, Union Bank Chambers
Clark, J. J., 5 Cavendish Rd.
Crouch, V. F. (Building Dept.), Nalder & Collyer's Brewery, Ltd., High St.
Dartnell, A. L., 34 High St.
Ellis, R. G., 17 Clarendon Rd.
McClymont, R., 27 Elgin Rd.
a Monday, C. A., Cathcart Villas
Pepler & Allen (a), 3 George St.
+ Reilly, M. S., 66 Sumner Rd.
Ridge, C. H., 33A High St.
Smith, S. P., 17 South End
West, F., 22 Coombe Rd.

DORKING.

Bargman & Benison, 76 South St.
Dibble, F. J., "Westfield"
Shearburn, W., South St.

EPSOM.

Cresswell, W. T., High St.
† Harding, J. R., High St.

FARNHAM.

Eggar, J. A., 74 Castle St.
Guyer, A. H., South St.
+ Hendrey, J. H., Frensham Rd.
Niven (f), Wigglesworth (f), and Falkner, 24 West St.
Stedman, A. J., South St. Chmbrs.
Wells, W. J., 112 West St.

GODALMING.

a Day, H. D., Ramsden Rd.
+ Moon, H., 96 High St.
a Verstage, A. H., 121 Meadrow
Welman, S. (†), & Glennie, F. F., Church St.

GREAT BOOKHAM.

Lee, R.

GUILDFORD.

Clemence & Moon, 53 High St.
a Day, H. D., 100 High St.
Lake, J., 4 Wellington Pl., Woodbridge Rd.
Lower, W. G., 12A High St.
f Nevill, R., Castle Hill
Peak, H., & Lunn, E. L., 36 High St.

Sidebotham, H. S., 18 Quarry St.
Sturges, A. J., 25 High St.
Welman, S. (†), & Glennie, F. F. 50 High St.

HASLEMERE.

a Harrison, W., Heatherlie, Hindhead, near
Morgan, C. L., 2 Station Chmbrs.

HORLEY, S.O.

Burstow, C. H., Station Rd.
a Nicholas, C., Smallfield, near

KEW.

Watt, A., 18 Maze Rd., Priory Pk.

KINGSTON HILL.

a Garratt, T., 6 Wolverton Avenue

KINGSTON-ON-THAMES.

a Callow, C. F., "St. Malo," New Barton Rd.
Carter (a) & Ashworth, 86 Eden St.
Chambers, W. O., 24 Knight's Pk.
f Hardwick, A. J., Eagle Chmbrs.
Horsfield (Nixon) (f) & Sons, Victoria Rd.
Macaulay, H.

LEATHERHEAD.

Shearburn, W.

LINGFIELD, S.O.

Taylor, R.

MERTON.

Brocklesby, J. S. (a), & Rumble, R. T., Merton Park Estate Office, Kingston Rd.
f Downing, H. P. B., "Avalon"

MITCHAM.

Chart (†), Son & Reading, Vestry Hall

NEW MALDEN.

† Davison, V., Coombe Chmbrs.

PENGE.

Laslett, W. T., 93 Beckenham Rd.

PURLEY.

a Gilford, H., Station Approach

REDHILL.

a Hooper, T. R., Station Entrance
a Hooper, V., Elms Rd.
Quinton, H., Station Rd.
Rees, L. P., 53 Station Rd.
Venner, A. W., 7 Station Approach

REIGATE.

Baker & Penfold (a), High St.
Barry, D. J., High St.
Pym, J. M., Dood's Rd.
Salmon, C. E., Bell St.

RICHMOND.

a Ashworth, C., 61 Queen's Rd.
Partridge, E. J., Bank Chambers

SURBITON HILL.

Veness, A., "Fairfax," Berrylands Rd.

SUTTON.

Burstow, F. G., 61 High St.
Evitt, F., 8 Clinton Terrace, Manor Lane
Price, R. W. & Sons, "Salatin," Cedar Rd.

TADWORTH.

Hammack, Lambert & Son (a), Station Approach

THAMES DITTON.

f Style, A. J., Manor Rd.

THORNTON HEATH.

Crewdson, J., 42 Penshurst Rd
f Pegg, H. C., Brigstock Rd.
Ruddle, W. R., 13 Carew Rd.

WALTON-ON-THAMES.

a Jackson, E. A., Thames Cottage

WEYBRIDGE.

Caryer, G. T., Ellesmere Rd.

WHYTELEAFE.

Higgins, F. C., "Bournefield"

WIMBLEDON.

Haines, G. F., 57 Merton Rd.
Hinds, R. A., "Wood Nook," Wimbledon Hill
a Luck, H. R., 29 Woodside
Spooner, J. A., 86 Alexandra Rd.
Thomson, R. J. (f), & Pomeroy, A. G., 49 Hill Rd.

WOKING.

Drower, J. B., 3 The Pavement
Jones & Clinton, 3 Broadway
Ridgeway, S., Lavender Rd., Maybury Hill
Tubbs, C. B., & Messer, A. A., 5 The Broadway
† Whitburn, H. A., 7 Broadway

YORK TOWN, Camberley.

f Webb, G. W., Main Rd.

SUSSEX.

BEXHILL.

Armstrong, C. T., 32 Eversley Rd.
Ball, G., Chepbourne Rd.
† Gray, G. H., 21 Sea Rd.
Hicks, A. C. D., 4 Sea Rd.
Luntley, H., 8 Magdalen Rd.
Oakden, A. A., 4 Sea Rd.
Riches & Gray, 1 Devonshire Ter.
Smith, S., 14 Station Rd.
f Wall, J. B., 13 Devonshire Rd.

BOGNOR.

a Barlow, W. T., Arcade Chambers
Fulford, R. S., Nyewood House
a Guermonprez, H. L. F., "Dalkeith," Albert Rd.
Pilkington, L., 66 High St.
Wade & Austin, 41 & 43 High St.

BRIGHTON.

Anscombe, J., 110 Elm Grove
Anthony, A. E., & Dixon, H. B., 35 East St.
Blackman, J. W. B., 24 Old Steine
† Botham, C., Insurance Chmbrs., North St.
Buckwell, T. H., 162 and 163 North St.
Carden A., 75 North St.
† Cawthorne, F. T., 170 North St.
Clayton & Black, 10 Prince Albert St.
† Denman & Matthews, 27 Queen's Rd.
a Doll, O. S., 157 North St.
† Garrett, T., 30 Ship St.
Gibbins, J. G. (f), & Son (a), 3 Palace Place
† Gillam, W. C. F., 3 North St. Quadrant
† Hamilton, E. J., 2 New Rd.
Hunt, S., 120 Queen's Rd.
Lainson, A. H., 8 Middle St.
Lainson & Son (a), 56 East St.
Long, E. W., 40 Marlborough Pl.
Munn, W. E., 5 Trafalgar Court
Nash, W. H., 8 North St. Quadrant
† Nye, A. W., 34 Duke St.
Overton & Scott, 22 Ship St.
a Pryke, L. E., 18 Grenville Place
Puttick, W., 56 East St.
Sanders, H. W., 43 Preston Rd.
Scutt, T. H., "The Beeches" Stanford Avenue
Simpson, T. & Son (a), 17 Ship St.
a Southall, B. N., 51 Stanford Av.
Udney, A. C., 1 Selborne Rd. Hove
Webb, H., 152 North St.
Williams, W. F., 17 Middle St.
Wyon, E., 1 & 2 Walpole Rd., Kemp Town

BURGESS HILL, S.O.

† Findlay & Roques

CHICHESTER.

Vernon-Inkpen, G. C., 19 South St.
Wade & Austen, East St.
Whitehead & Whitehead, 18 South St.

CROWBOROUGH CROSS.

a Dennis, L.
f Parris, P. S.
Teulon & Wood (a)

EASTBOURNE.

Cooke, F. G., 2 Hyde Gardens
Coster, J., Selwyn Cottage, Selwyn Rd.
Crisford, C., 51 Gildredge Rd.
f Dudley, F. "Dunstaffuage," Up. Avenue
Earp, B., 134 Terminus Rd.
Mitchell & Ford, 7 Gildredge Rd.
Oakden, A. A., 10 Cornfield Rd.
Spurrell & Murray, 24 Gildredge Rd.
Wallis, W., 14 Seaside Rd.
Wood, C., "Craigdarroch," Whitley Rd.

EAST GRINSTEAD.

Mathews, J. D. (f), & Son, London Rd.
Nightingale, H. C., 2 Judge's Ter., High St.
Powell, E. T., London Rd.

HASSOCKS, S.O.

† Clayton & Botham, Stanford Av.
Flack, C., H.

HASTINGS.

Cooper, W. & Coussens (a), 25 Havelock Rd.
Gant & Son, 2 Havelock Rd.
Hembrow, R., 65 Queen's Rd.
f Humphreys, F. H., 6 Trinity St.
Jeffery, A. W. & Son, 5 Havelock Rd.
f Lansdell, M. J., 71 Cambridge Rd.
Plowman, F., 35 Havelock Rd.
Trimming, J., 42 Nelson Rd.
a Ward, H., 8 Bank Bldgs.
Wells, A. (f), & A. R., 1 Trinity St.

HAYWARD'S HEATH.

Gibbins, J. G. (f) & Son (a), 5 Boltro' Rd.
Pannett, A. R., 16 Boltro' Rd.

HORSHAM.

Buck, W., 60 West St.
Burstow, C. H., 6 West St.
Roberts, H. P., Education Offices
Wheeler, F. (f) & Goodman, Bank Chmbrs.

LEWES.

Curtis-Card, H., 10 North St.
Fuller, E. H., 19 High St
Halls, R. H., Seveirg Chmbrs., High St.
Powell & Co., Estate Offices
† Wood, F. J., County Hall

LINDFIELD.

f Lanchester, H. J.

LITTLEHAMPTON.

a Frisch, G., 3 Selborne Place

ST. LEONARDS.

a Callow, C. F., 71 London Rd.
Elworthy, T. W., 81 London Rd.
Pigott, C. A., & Oxley, Saxon Chmbrs., London Rd.
† Palmer, H. W. H., "Belsize," Filsham Park
f Tree, P., 59 London Rd.

SEAFORD.

Blackman, J. W. B., 2 Gloucester Place
Cooper, W. (†), & Coussens (a), Terminus Bldgs.
a Taylor, F. S.

SHOREHAM.

Punshon, W. K., 18 Victoria Rd.

UCKFIELD.

Overton & Scott, Town Hall

WORTHING.

Bartlett, H., Heytesbury House
a Cogswell, G., 5 Highworth
a Doll, O. S., 27 Warwick St.
Hagger, G. J., Railway Approach
Heal, H. G., 2 Chapel Rd.
† Hyde & Son, 23 Eriswell Rd.
Hyde, T. R., Crescent Rd.
Lund, J. E., Christ Church Rd.
Potter, H. M., 41a Warwick St.
a Selby, E. H., 35 Chapel Rd.
Whitehead & Whitehead

WARWICKSHIRE.

BIRMINGHAM.

(*For Handsworth and Smethwick see Staffordshire.*)

Adams, J. W., Red Hill Rd., Hay Mills, near
Aherne, W. de Lacy, 5 Waterloo St.
a Andrews, F. B., 95 Colmore Row
a Ashford, W. H., 90 New St.
Barker, L. & Son, 11a New St.
Bartlam, W. H. E., Leighton Rd., Moseley
Bassett, J., 63 Witton Rd., Aston
f Bateman & Bateman, 83 Edmund St.
a Bidlake, W. H., 37 Waterloo St.
Blenkarn, P., 2 Lansdown Villas, High St., Selly Oak
Bosworth, C. W., Western Rd., Wylde Green
Bower, B., 14 Temple St.
Buckland, H. T., and Haywood-Farmer, E., Norwich Union Chmbrs., Congreve St.
Cale, G. H. V., 14 New St.
Challinor, A., 12 Holborn Chmbrs., Broad St. Corner
Chatwin, J. A., (f) & Son, 128 Colmore Row
Cheatle, —, 39 New Hall St.
Collett, C. H., High St.
Collier, L., 71 Colmore Row
Cooke, S. N., 14 New St.
Corser, B., 1 Newhall St.
Cossins, Peacock & Bewlay, 83 Colmore Row
Cox, G. A., 33 Newhall St.
† Cross, F. W. F., 71 Temple Row
Crouch & Butler, Newhall St.
Currall & Chadney, Commercial Bldgs., High St., Selly Oak
Davis, W. J., Imperial Chmbrs., Colmore Row
Dennis, W. L., 224 Mary St., Balsall Heath
Devall, G., 86 New St.
Dixon, A. S., 297 Broad St.
Doubleday, W., 67 Colmore Row
a Dunn, A. J., 86 Colmore Row
a Dunn, J. G., 45 Newhall St.
Edwards, A., 9 Bennett's Hill
Edwards, W. F., 1 Newhall St.
Essex (f) & Goodman, 21 Waterloo St.
Eunson, A., 55 Newhall St.
Evans, F., 14 Temple St.
Faulkner, G. R., 102 Colmore Row
Floyd & Salt, 3 Temple Row West
Gateley & Parsons, 119 Colmore Row
Goold, L. W., 5 Corporation St.
Greatrex, H. J., 3 New St.
Grew, J. A., 88 Colmore Row
Grove, A., 72 Dora Rd., Small Heath
Guest, T., Cobden Bldgs., Corporation St.
Hackett, J. J., 32 Paradise St.
a Hale, A., 83 Edmund St.
Hale, W., (f) & Son, 83 Colmore Row
Hamblin, A. H., 115 Colmore Row
Hare, J. G., 33 Gillott Rd., Edgbaston
Harper, E. & Bro., 191 Corporation St.
f Harrison, A., 100 Colmore Row
Harvey, W. A., 5 Bennett's Hill
Hawkes, G. F., 82 Trinity Rd., Birchfield
Hawkes, J. H., & Son, 63 Temple Row
Haywood, W., Norwich Union Chmbrs., Congreve St.
Heaton, R., 8 Waterloo St.
Henman, W. (f), & Cooper, T. (f), 19 Temple St.
Hipkiss and Stephens, 24A Martineau St.
Hirst, B. V., 41 Church St.
a Hobbis, H. W., 33 Newhall St.
Holliday, S. J., King's Court, 115 Colmore Row
Hughes, B. C., 5a Temple Row
Hughes, F. G., 121 Colmore Row
Humphreys-Jones, J., 17 Bennett's Hill
Inchley, W. P., 21 Waterloo St.
Ingall & Son, 3 Temple Row West
Jenkins, W., 19 Bennett's Hill
Kenworthy, E., County Chmbrs. B, Martineau St.
† Latham, A. G., 5a Temple Row
Lea, J. & L. & Sons, 19 Cannon St.
Lloyd, W. H., 38 Bennett's Hill
a McKewan, A. E., 95 Colmore Row
Macer-Wright, A., 23 Temple Row
a McMichael, G., 105 Colmore Row
a Mansell & Mansell, 47 Temple Row
Martin & Martin, 106 Colmore Row
Martin, H. & Son, 26 Paradise St.
Miller, E. M., Hobmoor Rd., Small Heath
Nicol (a) & Nicol (a), 117 Colmore Row
† Nichols, J. R., King's Court, 115 Colmore Row
Oldacre, R. S., 26 Paradise St.
f Osborn, F. B., 13 Bennett's Hill
f Osborne, J. P., 95 Colmore Row
Owen & Berrill (a), King's Court, 115 Colmore Row
Parsons, O. P., 14 Temple St.
Payton, G., 58 New St.
Payton, W. G., 84-6 Colmore Row
Pepper, G. E., 7 Waterloo St.
Phipson, A. B., 5a Temple Row
Porter, B. A., 88 Colmore Row
† Price, T. G., 63 Temple Row
Raggett, J. J., 88 Colmore Row
Rawlings, B., 25 Birchfield Rd., Aston Manor
Reynolds, E. F., 25a Paradise St.
Reynolds, H. H., 16A Corporation St.
Riley & Smith, King's Court, 115 Colmore Row
Robinson, H., Cadogan Chmbrs., Cherry St.
Round, A., 20 Cannon St.
Sandy, H. T., 71 Temple Row
Savage, R., 33 Newhall St.
a Scruton, V., 7 Waterloo St.
Sharp-Smith, C., 14 Bull St.
Shaw, J. R., 39 Newhall St.
Smith, A. F., 44 Waterloo St.
Smith, G., 55 Newhall St.
Smith, P. H., Crown Bldgs., James Watt St.
Swan, J. A., 56 Newhall St.
Taylor, A. F., Malvern Rd., Acock's Green
Thacker, A. D., 33 Newhall St.
Thomason, F. H., 1 Newhall St.
Titley, E. F., 35 Cannon St.
Turner, T. A., 5A Temple Row
Twist, W. N., 7 Temple Chmbrs., Broad St. Corner
Vickerstaff, 8 Waterloo St.
Walthew, R. G., 78 Sandford Rd., Moseley
Ward, D. H., 19 Warwick Chmbrs., Corporation St.
Ward, G. F., 71 Colmore Row
a Ward, L. F., 1 Waterloo St.
Ward, W. H., 29½ Paradise St.
a Whitcombe, C. F., 5a Temple Row
Whitwell, C. & Son, 3 Newhall St.
Wigley, E. H., 121 Colmore Row

Williams, D. J., County Chmbrs., B. Martineau St.
Wood & Kendrick, 57 Colmore Row
Wood, J. D., 3 Newhall St.
Wykes, E. E., 71 Temple Row
Yates, F. J., 1 Newhall St.

COVENTRY.
Chattaway, H. W., Trinity Churchyard
Donnelly, T. R., 73 Holyhead Rd.
† Foster, F., Masonic Bldgs.
Griffiths, T. D., Hertford Chmbrs., Hertford St.
Harrison & Hattrell, Hertford St.
Jenkins, G. E., Bank Chmbrs., Little Park St.
Purnell, E. K., Hertford St.
Quick, H., 64 Hertford St.
Steane, G. & I. (*a*), 22 Little Park St.
Tait & Herbert, Bailey Lane
† Tickner, T. F., High St. Chmbrs.

LEAMINGTON.
f Cotton, 26 Portland Place
† Cundall, F. G., 34 Parade
† Foster, F., 4 Euston Place
Quick & Lee, 38 Parade

NUNEATON.
Moreton, A., 1 Bond St.
Shepherd, E. E., New Bridge St.

RUGBY.
Franklin & Newman, Regent St.
Hoper, J. D., 5A Albert St.
Liddington, J. H., Ketton Chmbrs. Regent St.
Willard, T. W., Broughton House, Market Place

SHIRLEY.
Hirst, B. V.

SOLIHULL, near Birmingham.
Endall, F. B., Broomfields

STRATFORD-ON-AVON.
Allen, A. E., 1 Chestnut Walk
Callaway, A. H., 3 John St.
Holtom, E. G., 58 Henley St.
Knight & Hebery, Scholars' Lane

SUTTON COLDFIELD.
Grigg, S.H., "Lynton," Jockey Rd.
Hodgson, C. J., Four Oaks
Langley, W. J., Coleshill St.
Marston & Healey (†), Masonic Hall Chmbrs.
Moxham, E., Lichfield Rd.

WARWICK.
Armstrong, C. M. C., 5 High St.
a Moore, F. H., 2 Northgate St.
Trepess, F. P., 1 Church St.

WESTMORELAND.

AMBLESIDE.
Fleming, J., Rothay Garth
f Mason, W. L., Kelsick Rd.

KENDAL.
Bintley, J., 7 Lowther St.
f Curwen, J. F., 26 Highgate
Hoggarth, G., 69 Highgate
Hutton, J., 22A Highgate
f Shaw, S., 45 Highgate
† Stalker, J., 57 Highgate
a Thompson, J., Finkle St.

KIRKBY LONSDALE.
† Kassell, J., "Fairbank"
Kassell, L. C., 4 Bective Rd.

WINDERMERE.
Gibson, D.
f Mason, W. L., Victoria St.
Pattinson, J., Elim Grove
Walker, Carter & Walker, Central Bldgs.

WILTSHIRE.

CALNE.
Henly, H. C., Curzon St.

CHIPPENHAM.
Brinkworth, R. E.
Darley, R. & J., St. Mary's St.
Holloway, T.

CORSHAM.
a Brakspear, H., High St.

DEVIZES.
† Isborn, E. C., 33 St. John St.
† Randell, A. J., Exchange Place

MARLBOROUGH.
Brooke, J. W., "Rosslyn"
† Ponting, C. E., Wye House

SALISBURY.
Bath, F., Crown Chmbrs., Bridge St.
Blount, G. L. W., 39 High St.
Bothams, A. C., 32 Chipper Lane
Harding, J. & Son, 58 High St.
Lemon (*f*) & Blizard, 29 Market Place
Reynolds, J. G., Arundel House, Hulse Rd.
Webb, E. D., Close Gate, High St.

SWINDON.
Ainsworth & Pilcher, Central Chmbrs.
† Beswick, R. J., 10 Victoria Rd.
Bishop & Fisher, Regent Circus
Drew (†) & Sons, 28 Regent Circus
Masters, W. A. H., 1 Regent Circus
Nicholls (†) & Stockwell (†), 25 Regent Circus
Osborne, W. R., Regent Circus

TROWBRIDGE.
Stanley, W. H., Market House Chmbrs.

WARMINSTER.
Hardick, W., & Son, High St.
Long & Glass, 53 Market Place

WESTBURY.
Stanley, W. H., Maristowe St.

WORCESTERSHIRE.

BOURNVILLE (nr. Birmingham).
Tylor, H. B., Estate Office

BROMSGROVE.
Gadd, G. H., County Court Chmbrs.

DUDLEY.
† Bailey, P. H. A., Fountain Chmbrs., Market Place
Coslett, E. G., 200 Wolverhampton St.
Gammage, A., 7 Priory St.
Grazebrook, T., 23 Wolverhampton St.
Ramsell, A., Scotch Chambers, Market Place
Silver, T., Castle Chmbrs., Castle St.

EVESHAM.
Hunt, G. H.

HALESOWEN (Birmingham).
Butler, A. T.

KIDDERMINSTER.
Downton, C. A., 70 Coventry St.
Gething & Son, Oxford Chmbrs.
Pritchard & Pritchard, Bank Bldgs.

KINGS NORTON.
Palmer, F. L., Midland Road

MALVERN, GREAT.
Baker, A. C., 3A The Exchange
Baldwin, E. E., Lyttelton House
Griffiths, A. T., The Priory Gateway
Holds, T. W., 1 Promenade

OLDBURY (Birmingham).
Merryfield, T., 42 Church St.
Spratling, W. M., 13 Church St.

REDDITCH.
Bayliss, F. F., Unicorn Hill
Johnson, J., 21 Unicorn Hill
Neason & White, Church Rd.
Perrins, B., Central Chmbrs., Unicorn Hill

STOURBRIDGE.
Folkes, H. E., Waterloo Bldgs., Hagley St.
Gething & Son, 2 Union Villas, Queen St.
Grazebrook, T., 82 Upper High St.
Robinson, T., Victoria Chambers

TENBURY.
Jarvis, R. W.

WORCESTER.
f Day, E., 6 Sansome Place
Hughes, F., 54 Broad St.
Parker, A. H. (*f*), & A. G., 5 Foregate St.
Parker, W., 15 Foregate St.
Rowe, H., & Son, Worcester Chmbrs., Pierpont St.
a Sheppard, G. L., 51 Foregate St.
Smith, H. P., 5 Foregate St.
a Whitcombe, C. F., Newbury, Upper Broadheath, near
Williams, J. H., 15 Foregate St.
Yeates & Jones (*a*), 8 Foregate St.

YORKSHIRE.

BARNOLDSWICK.
Lancaster, F., Pleasant View

BARNSLEY.
Crawshaw & Wilkinson, 13 Regent St.
Dixon, R. & W., 5 Eastgate
Dyson, E. W., 10 Regent St.
a Hinchliffe, P. A., 14 Regent St.
McLintock, C. L., Church St.
Moxon, G., 26 Church St.
Raper, H. T., Architect's Dept., Barnsley Brewery Co., Ltd.
Wade & Turner (†), 10 Pitt St.

BATLEY.
Brearley, J. H., Commercial St.
Buckley, H. B., 85 Commercial St.
Hanstock, W. & Son, Branch Rd.
Watson, B.

BEVERLEY.
Hawe & Foley, North Bar St.

BINGLEY.
† Nunns, W. R., 13 Market St.

BIRSTAL, near Leeds.
Burrows, J. W., Huddersfield Rd.

BRADFORD.
Adkin & Hill (*a*), Prudential Bldgs.
Armistead, R., 8 Charles St.
Atkinson, J. W. C., 1 Ivegate
Bailey, W., Tanfield Building, Market St.
Barker, T. & Son, London & Midland Bank Chambers, Market St.
Bracewell, R. W., Exchange Bldgs.
Brayshaw & Dixon, 309 Bowling Old Lane
Croft, P. K., Dudley Hill
f Calvert, R., 4 Forster Square
Dobson, B., 5 Charles St.
Drake, R., 4 Pearson Lane, Chellow Dean
a Edwards, F. E. P., Whitaker Bldgs., Victoria Sq.
Empsall & Clarkson, 7 Exchange, Market St.
Fairbank & Wall, Craven Bank Chmbrs.
Fox, P., Victoria Chmbrs., Victoria Square
a Gaunt, E. L., 5 Charles St.
Hardaker, H., 11 Ivegate
Healey, T. H. & F., 42 Tyrrel St.
a Hodgson, H., 7 Claremont
Holland, F., 11 Parkinson's Chmbrs., Hustlergate
Hope, T. C., & Son, 23 Bank St.
† Jackson, J., Barry St.
Jackson, S. & Son, Tanfield Chmbrs., Piece Hall Yard
f Ledingham, J., District Bank Chmbrs., Booth St.
Marsden, C. E., 15 Sunbridge Rd.
Marten, J. E., Cheapside Chmbrs.
Marten, W. H. H., 24 Church Bk.
Mawson & Hudson, 2 Exchange Bldgs.
Milnes, & France (*f*), 99 Swan Arcade
Moore, F., 40 Sunbridge Rd.
Morley, W. J. (*f*) & Son, 269 Swan Arcade
Parkinson, E. H., Queensgate
Peterson, E. P., 49 Sunbridge Rd.
† Priestley, H. E., 17 Bertram Rd.
Riley, T., 81 Beckside Rd., Lidget Green
† Robinson, S. & Sons, 15 Cheapside
Rogerson, H. W., Tyrrel St.
Rycroft, W., Bank Buildings, Manchester Rd.
Sharp, A., Pearl Assurance Bldgs., Market St.
Sharp, H. N., 239 Rooley Lane
Thresh, W. E., Thorpe Chambers, Hustlergate
Walker & Collinson, Cheapside Chmbrs.
Waugh, J., Sunbridge Chambers, Sunbridge Rd.
Wilcock, W. & Son, 9 Leeds Rd.
Young, J. & Co., 62 Market St.

BRIDLINGTON.
Brodrick, Lowther & Walker, Central Chambers
Dyer, S., Quay Rd.
† Earnshaw, J., Carlton House, Wellington Rd.
Martinnale, A. T., 66, Wellington Road
Shepherdson, J., 15 Manor St.

BRIGHOUSE.
Brooke, E. C., 6 Huddersfield Rd.
Hepworth, G., 20 Bradford Rd.
Rogerson, R. F., 14 Henry St.
Sharp & Waller, 32 Bradford Rd.

CASTLEFORD.
Garside & Pennington (†), Central Chmbrs., Wesley St.
Hartley, A., County Chmbrs.
McDowall, R. M., Carlton St.

CLECKHEATON.
Castle, R. & Son, London City and Midland Bank Chmbrs.
Howorth & Howorth, Old Bank Chmbrs.

DENHOLME, Bradford.
Pickels, W., Cliff Terrace

DEWSBURY.
Barton & Sons, Halifax Rd.
Fox, J. L., Bond St.
Hall, H. H., Shaw Cross, near
Holton & Fox, Corporation St.
a King, E. V., 24 Westgate
Kirk, J. & Sons, Market Place
Marriott (C. H.), Son & Shaw, Church St. Chmbrs.
f Ridgway, F. W., 11 Union St.
Thornton, W., Bond St.

DONCASTER.
Athron, J., 10 Priory Place
Athron & Beck, Dolphin Chmbrs., Market Place
† Ballan, E. H., 19 & 20 Baxter Gate
Brundell, P. N., 1 Princes St.
Johnson, T. H., 6 Priory Place
Nicholas, J. C., 15 Priory Place
Simmons, J., Bank Chambers
Ward, H. J., 6 Priory Place
Wilburn, E., St. George's Chmbrs., St. George's Gate

DRIFFIELD.
Shepherdson, J. F., Leo Villa, Beverley Rd.
Shepherdson, J., Lockwood St.

ECCLESHILL, Bradford.
Crawshaw, J., Norman Drive

FEATHERSTONE.
Fearnley, W. H., Station Lane

FILEY, S.O.
Mallinson, G., Cromwell Avenue
Petch, J. & Son, Mitford St.
† Robson, R. M., 21 Belle Vue St.

GOLCAR.
Shaw, A., Knowl Rd.

GOOLE.
Chambers, F., 24 Boothferry Rd.
Thorp, H. B., Carlisle St.

GREAT HORTON, near Bradford.
Spencer, S., 344 Great Horton Rd.

GREENGATES, Bradford.
Wright, E., Sparkbrook

GUISELEY, Leeds.
Chippendale, H., Springfield Ter.
Muschamp, H., 3 Queen's Terrace

HALIFAX.
Beaumont, F. F., Southgate Chbrs.
Berry, R., Commercial St.
Booth, H. W., Hopwood Hall, Hopwood Lane
Buckley, G. & Son, Tower Chmbrs., Silver St.
a Coates, L., Central St.
Dalzell, A. G., 15 Commercial St.
Glendinning & Hanson (*a*), 37 Southgate
Gray, W. G. & Son, 28 George St.
† Hall, M., 1 Harrison Rd.
Horsfall, C. F. L. & Son, Lord St. Chmbrs.
Horsfall, R. & Son, 22A Commercial St.
Horsfall, W. H. D., 6 Harrison Rd.
Jackson & Fox, 7 Rawson St.
a Kershaw, T., Lancs. and Yorks. Bank Chmbrs., Commercial St.
Longbottom & Culpan, Somerset Chmbrs., George St.
Patchett, T. L., George Square
Petty, C. H., 12 Waterhouse St.
Utley, Hebblethwaite (*a*) & Utley, 10 Waterhouse St.
Walsh & Nicholas, (*f*) Museum Chmbs., Harrison Rd.
f Williams, W. Newmarket Bldgs., Southgate

HARROGATE.
Bland (*f*) & Bown (*f*), North Park Rd.
Bown, H. E. & A., Victoria Bldgs., James St.
Crosland, R., 10 James St.
Gibson, A. A., 8 Prospect Cres.
Houfe, J., Station Chmbrs.
a Illingworth, H. E., Wheatlands Rd.
Johnson, A. W., 2 Princes Sq.
f Marshall, T. E., City Bank Chambers, James St.
Marten, J. E., Broadbank Chmbrs.
† Smetham, J. R., Albert Chmbrs., Albert St.
Stead, S., 33 James St.
Walsh & Nicholas, 46 James St.
† Whitehead, J., Herald Bldgs., Montpellier Parade

HAWORTH.
Bottomley, T. W., 16 Prince St.
Jones, W. E., Manor House

HEBDEN BRIDGE.
Cockcroft, W. H., West End
Sutcliffe & Sutcliffe (*a*), New Rd.

HECKMONDWIKE.
Exley-Fisher, T.
Stead, H., Kaye St.

HOLMFIRTH.
Barrowclough, J. & Son, Cross Rd.

HOWDEN, E. Yorks.
Blackburn, W. H., Alma House

HOYLAND, near Barnsley.
Sykes, W. J., West Bank
Wilson, J. W., Middle Ings

HUDDERSFIELD.
Abbey, J. B. & Son, 34A New St.
Berry, J., 3 Market Place
Brook, Dransfield & Dyson, 12 & 13 Estate Bldgs.
Cocking, J. W., 24 Vances Chmbrs., Cloth Hall St.
f Cooper, W., 4 Kirkgate Bldgs.
Hall, J. H., Milton Pl., Fartown
Kirk, J. & Sons, 36 John William St.
Lockwood, E. W., Westgate
Lunn & Kaye, 14 John William St.
Mallinson, C. F. & Son, Market Pl.
Stocks & Sykes, St. Peter's St.

HULL.
Adamson, J. J., 5 Colonial Chmbs., Princes Dock St.
Ansdell & Cox, 50 Savile St.
† Atkinson, T. B., 11 Trinity House Lane
Bingley, W. H., Custom House Bldgs., Whitefriargate
Boden, H., Land of Green Ginger
Botterill, Son, & Bilson (*f*), 23 Parliament St.
Brodrick, Lowther & Walker (*f*), 77 Lowgate
a Brooks, T. D., Education Offices, Albion St.
a Dossor, J. M., Manor St.
Easton, A., 7 Land of Green Ginger
Freeman, Son, & Gaskell, 11 Carr Lane
Gelder (*f*) and Kitchen (*f*), 120 Alfred Gelder St,
f Jacobs, B. S., Lincoln's Inn Bldgs., Bowlalley Lane
Kirton, J. B., Exchange Bldgs., Bowlalley Lane
Kitching, W. H., 202 High St.
Runton & Barry (*a*), Victoria Chmbs., Bowlalley Lane
Simpson, T. B., Custom House Bldgs., Whitefriargate
Thompson, T. B., 15 Parliament St.
Thorp, G., 1 St. Mary's Chmbrs., Lowgate
Whitfield, L.W.L., Bank Chmbrs., Scale Lane
Whitlock, E., Scale Lane

ILKLEY.
Baxandall, J. W., Church St.
Bracewell, R. W., 10 Bolton Bridge Rd.
Critchley, E.
Johnson, E. B., 10 The Grove
Marten, W. H. H., Grove Chmbrs.

KEIGHLEY.
Bailey, J. B. & Son, 3 Scott St.
Bailey, W., Devonshire St.
Broster, R. B. & Sons, Craven Bank Chmbs., North St.
Haggas, J. & Sons, North St.
Harrison, A. P., 18 Cooke Lane
Moore & Crabtree, York Chmbrs. Cavendish St.
Smith, H., Compton Bldgs., Bow St.
Sugden, W. H. & A., Devonshire Bldgs., North St.
Turner, T., Kirkgate, Silsden, near
Weatherhead, D. W., 50 Low St.

KNARESBOROUGH.
Gibson, A.

LEEDS.
Ambler, T., & Son, 29 Cookridge St.
Atkinson, G. W., 1 Mark Lane
† Bakes, J. H., Calverley Chmbrs., Victoria Sq.
f Bakewell, W., 38 Park Square
a Beevers, W. H., 26 Bond St.
Bottomley, J. M., 46 Albion St.
Bowman, G. F., 5 Greek St.
† Braithwaite, W. S., 6 South Parade
Broadbent, W., Red Hall Chmbrs., Guildford St.
Bromet & Thorman, 16 Park Row
Brooke, C. H., 23 Park Row
Buttery & Bird, 1 Basinghall Sq.
Chattwick & Watson, 9 Albion St.
a Chapman, H. A., Prudential Bldgs., Park Row
Charles, J. & Sons, 98 Albion St.
Connon, J. W. (*f*), and Chorley, H. S. (*f*), 16 Park Place
Danby & Simpson, 73 Albion St.
f Davis, H., 10 East Parade
a Farrar, R. F., 10 Park Row
Fawcett, J. M. & Sons, 26 Albion St.
Fraser, J. B., 8 Park Square
Hall (*f*) & Dalby, Prudential Bldgs., Park Row
Harris, L., 45 Albion St.
† Hill, W. & Son, 38 Albion St.
Hobson, W. A., 2 Basinghall Sq., Basinghall St.
Howdill & Howdill (*a*), 7 Oxford Row
a Illingworth, H. E., 8 East Parade
Kay, J. P., & Long, H. W., 10 St. Paul's St.
Kendall, J., (†), & Sons, 10 East Parade
a Kirk, A. E., 13 Bond St.
f Kitson, S. D., Greek St. Chmbrs.
Leak, J., 34 Waterloo Rd., Hunslet
Mitchell, F., 9 Upper Fountaine St.
a Musto, F., Greek St. Chambers
Neill, A. (*f*), & Son, 38 Park Row
Nelson, C. S., 15 Park Row
Oldroyd, J., 5 Greek St.
Oliver (*f*) & Dodgshun (*f*), 18 Park Row
Perkin (*f*) & Bulmer (*f*), Central Bank Chmbrs., Toronto St.
Porter, J. M., 34 Ebor Place, Hyde Park Rd.
Reason, G. E., 14 Park Row
† Rhodes, F. W., 131 Upper Wortley Rd.
Richardson, W. E., Rothwell, near
Robinson, P. (*f*), & Jones, W. A., Yorks. Post Chmbs., Albion St.
a Schofield, W. P., 61 Albion St.
f Smith, S. E., 12 South Parade
a Smithson, W. G., 13 Bond St.
Spivey, J. C., Bank St. Chmbrs.
Swale, C. D., 34 Francis St.
Thackray, J. W., 4 Greek St.
f Thorp, W. H., Phœnix Chambers, South Parade
f Wilson, B., Greek St., Chambers
Winn, T. B. & Sons, 84 Albion St.
Winterburn, A. H., 112 Chapeltown Rd.
a Wood, J., Royal Insurance Bldgs., Park Row

LIVERSEDGE.
Rhodes, A. E., Norristhorpe Lane

MALTON.
f Channon, C. H., Market St.

MELTHAM.
Carter, W, 1 Station St.

MEXBOROUGH.
Gothwaite, W., High St.
White, G., Estates Office

MIDDLESBROUGH.
Bottomley, J. M., 28 Albert Rd.
Costello, J., 54 Albert Rd.
Duncan, W., 43 Albert Rd.
Forbes, J., 43 Albert Rd.
Forrester, A., 20 Albert Rd.
Haslock, W. E., 11 Albert Rd.
Kitching & Lee, 21 Albert Rd.
Lofthouse, R., & Sons (*a*), 62 Albert Rd.
Moore & Archibald, 27 Albert Rd.
Roberts, W. G., 61 Albert Rd.
Thorrold, S. E. & Son, Westbourne Grove, North Ormesby
a Whipham, E. A., 14 Albert Rd.

MILNSBRIDGE, Huddersfield.
Lunn & Kaye

MIRFIELD.
Burrows, J. W., Knowl Rd.

MORLEY.
Anty, J., Scatcherd Lane
Buttery & Birds, Exchange Bldgs. Queen St.
Clegg, G. B., Queen St.

OAKWORTH, Keighley.
Judson & Hudson, Bogthorn

OSSETT, S.O.
Kendall, W. A., Bank St.

OTLEY.
Fairbank & Wall, Manor Square
† Marshall, A., Craven Bank Chbrs.

PENISTONE, near Sheffield.
Brettoner, H. J.

PONTEFRACT.
Bagley, F. S., Ropergate Chmbs.
Brooks & Kelly
Garside & Pennington (†), Ropergate House
Tennant, W. J., Ropergate Chmbs.

PUDSEY.
a Hodgson, H., 33 Richardshaw Lane
Kendall, J. (†), & Sons, 26 Lowtown.
Nelson, C. S., Fulneck

QUEENSBURY.
Drake, J. & Son, Winter Bank

RAWMARSH.
Platts, J., High St.

RIPON.
Hargrave, F. H., Market Place
Harrison, S., Kirkgate
Wall, T., 10 Market Place

ROTHERHAM.
Higginbottom, R., Thurnscoe, near
Johnson, G. H, 12 Church St.
Knight, J. E., 33 College St.
Platts, J., High St.
Smethurst, H. L., Conisboro'
Tacon, H. L., 11 Westgate
Totty, J., Moorgate St.

SALTBURN-BY-THE-SEA.
Tomlinson, W. J. N., Warrior Terrace, Windsor St.

SCARBOROUGH.
Barker, T. C., York Chmbrs., Westborough
a Chapman, H. A., 13 Westborough
Davis (*f*) & Baker (†), 7 York Pl.
Edeson, C., 25 Huntriss Row
Hall, J., & Son (*a*), 24 Westborough
Petch, J. C., Bar Chmbrs., Huntriss Row
Petch, D., Victoria Chambers, 22 Huntriss Row
Petch, J., Victoria Chmbrs., 22 Huntriss Row
Petch, J. & Son,, 6 Westborough
Runton & Barry (*a*), Huntriss Chmbrs.
† Smith, C. W., 31 St. Nicholas St.
a Tugwell, F. A., 102 Westborough
a Whipp, T. W., 3 York Place

SELBY.
Ullathorne, T. S., Millgate

SHEFFIELD.
Appleby, A., 22 High St.
Beale, H. W., 166 Ecclesall Rd.
Benton & Roberts, 57 Surrey St.
Campsall, W. T., 19 Fig Tree Lane
Clark, J., 55 Norfolk St.
Davidson, R., 37 Surrey St.
† Earle, J. P., Norfolk Chmbrs., Norfolk Row
Ellis Bros., 37 Orchard St.
Fowler & Marshall, 3 Hartshead
Gibbs (*f*) & Flockton (*f*), 15 St. James' Row
Gibson, C., 14 St. James' St.
Greenwood, A. J., Beverley House, Wadborough Rd.
Hadfield, C. (*a*) & Son (*f*), 19 St. James' St.
f Hale, W. J., 13 St. James' Row
Hall & Fenton, 14 St. James' Row
Hemsoll & Chapman, 18 Norfolk Row
Holmes, E., 16 St. James' St.
a Innocent, C. J. & Son, 22 High St.
Lancashire, W. H. & Son, Montgomery Chmbrs., Hartshead
Lockwood, W. H., 5, 6 & 7 Palatine Chmbrs., Pinstone St.
a Mitchell-Withers, J. B., 73 Surrey St.
Norton, J., Norton Woodseats
a Paterson, H. L., 19 St. James' St.
Potter (*a*) & Sandford, 16 St. James's Row
Sampson, G. & Son, Estate Offices, Beauchief Abbey & 17 York St.
Shepherd, E., 8 Clinton Place, Broomhall
Smith (*f*) & Ensor (*a*) 1 Hartshead
a Smith, S. S., 12 St. James' St.
Stubbs & Brown, 74 High St.
Turnell, A. E., 22 High St.
Vickers, T., 10 Montgomery Mount, Nether Edge
f Watson, A. F., 38 Church St.
Webster, H., St. Mary's Chmbrs., Norfolk Row
f Webster, J. D., 19 St. James' St.
Wheen, J. T., 9 St. James' Row
a Wigfull, J. R., 14 Parade Chmbrs.
Wilde, G. A., 73 Kendal Rd. Hillsborough.
Wilson, G. A., Hartshead Chmbrs.
† Wilson, G. M., 37 Surrey St.
† Winder, E., Corn Exchange Chambers, Wharf St.
† Winder, T., Duke of Norfolk's Estate Office

SHIPLEY.
Bradley, S., Yorkshire Bank Chmbrs.
Wilcock, W. & Son, 13 Moorhead Lane

SKIPTON.
Broughton, J. W., 19 High St.
Hartley, J., Swadford Chmbrs.
Varley, H., 15 Swadford St.

SOWERBY BRIDGE.
Wilkinson, S., Town Hall St.

STANNINGLEY, Leeds.
Gill, W D., 2 Summerville Ter.

TADCASTER.
Bromet & Thorman, Station Rd.

THORNABY-ON-TEES.
Smith, W., Mandale Rd.

THORNTON, Bradford.
Pickels, W., 60 New Rd.

TODMORDEN.
Blacka, J. R., Garden St.
Mitchell, T. H., Strand
Sutcliffe & Sutcliffe (*a*), 6 Roomfield Bldgs.

UPPER MILL (via Oldham).
Howcroft, A. J., Spring Bank

WAKEFIELD.
† Crutchley, H., Town Hall Chmbrs., King St.
† Edmondson, H., 71 Westgate
Edwards, J. V., County Hall
Glover, W. H., 80 Westgate
Hart, A., Bank St.
Newbald, A. H., 21 King St.
† Nicholson, A. S., City Chmbrs.
Richardson, C. W. & Son, 62 Westgate
Simpson (†) & Firth, Southgate Chmbs.
† Watson, Son & Ellison, Barstow Square
a Wrigley, W., 2 King St.

WETHERBY.
Kelly, G. W. C., St. James' St.

WHITBY.
French, G. S., Bank Chmbrs.
a Smales, E. H., Arundel House
Walker, H. G. & H., West Cliff
Young, A. E., 77 Baxtergate

WOMBWELL, near Barnsley.
Linford, A. B., Carlton Villa
Robinson, J., Park Cottage

YEADON.
Foggitt, G., Ashfield

YORK.
f Bell, W., Arch't's Office, N.E.Ry.
a Benson, G., Nunthorpe Avenue
f Brierley, W. H., 13 Lendal.
Brown, W., & Son, City Chmbrs., Clifford St.
Brown, W. H., Archts. Office, (Rowntree & Co., Ltd.)
Everist, A. H., 8 New St.
Felgate & Hepworth, 3 Stonegate
Hornsey & Monkman, Railway St.
Needham, S., 18 Coney St.
Penty (*f*) & Penty, Lendal Chmbrs.
Raney, F., 50 Stonegate
Tate, E. R., 4 The Crescent
Taylor, E., 7 Stonegate

Scotland.

ABERDEEN.
Allan, J. A. O., 22 Union Terrace
Brown & Watt, 17 Union Terrace
Bruce, A. C., 124 Union St.
Clyne, A., 123½ Union St.
Coutts, G., 22 John St.
a Gauld, W. E., 258 Union St.
Ironside, W. D., 3 Golden Square
a Irvine, G. G., 231a Union St.
Jenkins & Marr, 16 Bridge St.
Kelly & Nicol, 367 Union St.
Mackenzie, A. M. (*f*), & Son (*a*), 343 Union St.
a Mackinnon, A.H.L., 245 Union St.
McMillan, D. & J. R., 211 Union St.
Mennie, H., 211 Union St.
Milne, G. F., 137 Union St.
Mitchell, G. B., 148 Union St.
Murray, A. J., 124 Union St.
Rust, J., 224 Union St.
Ruxton, W., 84 Union St.
Souttar, J. 42 Union St.
Sutherland, G. (*a*), & Pirie, 40 Union Terrace
Walker, G. J. & Duncan, 3 Golden Square
Wilsons & Walker (*a*), 181A Union St.

ABERFELDY.
Bell, W.
+ Cameron, R.

AIRDRIE.
Arthur, G. & Son, 4 Graham St.
Baird, W., 1 Hallcraig St.
Scotland, J., 12 Broomknoll St.
Thomson, J. & Sons, East Victoria Place

ALEXANDRIA.
Boston, Menzies & Morton, Bank St.

ALLOA.
Frame, T. & Son, 43 Mill St.
Kerr & McCulloch (*a*), 30 Mar St.
Leishman, J. S., 44 Mill St.
Melvin, J. & Son, Mar St.

ARBROATH.
Carver & Symon (*a*), Brothock Bdge.
Gavin, H., 42 Hill St.

ARDROSSAN.
Gilfillan, A., 3 Princes St.
Shaw, C. J., Burgh Chmbrs.

ARMADALE, S.O.
Baird, W., Burgh Bldgs.

AYR.
a Cowie, W., Alloway Chmbrs.
Eaglesham, H. V. & J. (*a*), Wellington Chmbrs.
f Hunter, J. K., 51 Sandgate
McClelland, W., 61 Alloway St.
Mercer, A. L., 8 Wellington Chbrs.
f Morris, J. A., Wellington Chmbrs.
Murdoch, J., & Lockhart, 62 Sandgate St.
St. Clair-Williamson, J., 9 Sandgate
Stevenson, A., 14 Cathcart St.
Young, J. McH., 62 Sandgate St.

BANFF.
Cosser, C. W., 1 Carmelite St.

BATHGATE (Linlithgowshire).
Fulton, W. J., Engine St.

BEARSDEN, Glasgow.
Laskie, A. G.

BELLSHILL, S.O.
Martin, T.
Ross & Sons

BIGGAR.
Morrison, L. A., Murrayfield
Murray, J. L., Heavyside

BLAIRGOWRIE.
Falconer, L., 27 Bank Bldgs.
Macdonald, J. A. R., 16 Newton St.

BONESS, S.O.
Dodds, J., Anniesleа Villa

BRECHIN.
Fettis, W., 31 St. David St.
Galloway, D. W., 2 Market St.

BROUGHTY FERRY.
Douglas, B. C., 1 Seafield Place
Ower, C., Camperdown St.

BURNTISLAND.
Swanston (†) & Legge, 13 Cromwell Rd.

CAMBUSLANG.
Ferguson, W., Wemyss Villa
Miller, A. L., "Borgie"

CARNOUSTIE.
Bruce, J. P., Commercial Bldgs.

CASTLE DOUGLAS.
† Imrie, B. B., 72 King St.
Macgregor, J. A., 9 King St.

COATBRIDGE.
f Davidson, J., 9 Academy St.
Martin, T., Main St.
a Mitchell, A. McG., Bank Bldgs.
Shaw, J., 50, Main St.
Smith, T., 3 Church St.

CUPAR.
Bruce, Prondfoot & Macrae, 67 Crossgate
Newman, H. A., "Redhurst"
Storrar, D., 3 St. Catherine St.

DALKEITH.
Greig, C. H., Eskbank
Hardie, A. M., Newbattle

DINGWALL.
Joass, W. C., 4 Drynie Court
† Mackenzie, W., County Bldgs.

DUMFRIES.
Barbour & Bowie, 53 Buccleuch St.
f Carruthers, F. J. C., 35 Buccleuch St.
Crombie & Mackenzie, Union Chmbrs.
Dakers, E. J. W., 74 Irish St.
Hay, C., 19 Nith Place
Kinnear, R. K., 143 Irish St.

DUNDEE.
Blackadder & Allan, 41 Reform St.
Bruce, J. & Son, Commercial Bldgs.
f Cappon, T. M., 32 Bank St.
Findlay, J., 33 Albert Sq.
Foggie, J. & Son, 45 Commercial St.
Forrest, W., 31 Reform St.
Gauldie, W., 23 Panmure St.
Gibson, R., 2 India Bldgs.
Harris, G. A., 61 Reform St.
Hunter, R., 11 Barrack St.
Hutton & Tough, 61 Reform St.
Johnston & Baxter, 49 Meadowside
Keith, R. & Son, 10 Whitehall St.
Langlands, J. H., 31 Murraygate
Lickely, A., 46 Reform St.
Lowe, J., 104 Commercial St.
McCulloch & Jamieson, 20 Whitehall St.
Maclaren, J. & Sons, 24 Bank St.
Mann, C., 20 Reform St.
Mills & Shepherd, 10 Tay St.
Murray, R. G., 74 Commercial St.
Niven (*f*) & Wigglesworth (*f*), 32 Bell St.
Ower, C. & Co., 70 Seagate
f Ower, L., 5 Whitehall St.
Pyott, G., 27 Bank St.
Robertson, T. S., 46 Reform St
Salmond, J. & F., 6 High St.
Sibbald, J., 35 Commercial St.
Soutar, C. G., 30 Whitehall St.
Thoms (*f*) & Wilkie (*f*), 46 Reform St.
Thomson, H., 87 Commercial St.
f Williamson, W., 11 Whitehall St.

DUNFERMLINE.
Houston, J., St. Margaret St.
Muirhead, A., 4 Abbey Park Pl.
Scobie, A., 5 Douglas St.
Ure, T. H., 43 Carnegie St.

DUNS.
Fortune, G., Kilmeny House

EAST WEMYSS.
Campbell, G. C.

EDINBURGH & LEITH.
Adams, J. G., 34 St. Andrew Sq.
Allan, A., 22 Hermitage Drive
Aitken, G. S., 33 Castle St.
Anderson, Sir R. (*f*) & Paul, 16 Rutland Sq.
Anderson, W., 342 Morningside Rd.
Armstrong, W. J., 57 Manor Pl.
Baillie, J. T., 34 St. Andrew Sq.
Beattie, G. (*f*), & Son, 136 George St.
Beattie-Brown, W., 11 Randolph Place
Blackadder, W., R., 5 Alva St.
f Blanc, H. J., 25 Rutland Square
Brechin, W. B., 131 George St.
Breingan, J., 29 Queen St.
Browne, G. W., 8 Albyn Place
Bryce, D. & J. (*f*), 131 George St.
Calvert, E., 16 Nth. St. Andrew St.
Cameron, R. M., 53 Great King St.
Carfrae, J. A., 3 Queen St.
Cooper & Taylor, 29 Frederick St.
Cousin, Ormiston & Taylor, 140 Princes St.
Craig, G., 85 Duke St., Leith
f Crawford, A. H., 10 Randolph Pl.
Donald, G., 92 Polwarth Gardens
f Dunn, J. B., 42 Frederick St.
Fairley, J. G., India Bldgs.
Findlater & Murray, 26 Frederick St.
Findlay, J. L., 34 Queen St.
Forrester & Brown, 39 Broughton Place
Greig, Fairbairn & Macniven, 31 York Place
Greig, C. H., 6 York Place
Grey, W., 13 East Preston St.
Hamilton-Paterson & Paterson, 10A George St.
Hardie, A. M., 20 George St.
Hardy & Wight, 76 Hamilton Pl
Hay, Henderson & Tarbolton (*f*), 12 Queen St.
f Henderson, P. L., 122 George St.
Henry (*f*) & Maclennan (*a*), 7 South Charlotte St.
Hope, T., 34 St. Andrew Sq.
a Horsburgh, V. D., 23 Rutland Sq.
Jerdan, J. & Son, 12 Castle St.
Johnson, W. H., jun., 20 George St.
Johnston, C. S. S., 66 Hanover St.
Johnston, J. M., 47 Charlotte St., Leith
a Kerr, H. F., 62 Hanover St.
Kinross, J., 2 Abercromby Place
Laidlaw, W. C., 4 York Bldgs.
Leadbetter, T., & Fairley, J. McL. (*a*), 17 Young St.
f Lorimer, R. S., 49 Queen St.
Lumsdaine, J., 69 Inverleith Row
Lyle & Constable, 3 Hill St.
McArthy, D., 25 Frederick St.
MacCulloch, A. & R., 3 Bernard St.
M'Ewan & Saintsbury, 20 George St.
MacGibbon & Ross, 65 Frederick St.
McIntyre, J., 28 North Bridge St.
M'Lachlan, W. H., 1 Saxe-Coburg Place
Maclean, J. W., 33 Dundas St.
+ Macnaughtan, A. W., 18 Duke St.
f Macpherson, A., 7 Young St.
Maidman, E. C. H., 13 South Charlotte St.
a Marwick, T. P., 43 York Place
Menzies & Cockburn, 30 York Pl.
Miller, J., 31 Bellevue Rd.
+ Mitchell, C., 23 Hill St.
Mitchell & Wilson, 13 Young St.
Morham, R., City Chmbrs.
Murray, R., 50 George St.
Nisbet, J. B., 110 Polwarth Gdns.
f Oldrieve, W. T., H.M. Office of Works. Parliament Square
Pearson, J. R. & E. E., 19 Queen St.
Peddie & Washington-Brown, 8 Albyn Place
Peddie, T., 36 George St.
Potts, W., 70 Grange Loan
a Rhind, T. D., 28 Rutland St.
f Robertson, D., 19 Shandwick Place
f Robertson, W. W., 122 George St.
Scott, J. N., & Campbell, 44 Queen St.
Steell, W., 216 Morrison St.
Thomson, W. N., 85 Constitution St.
Thomson, J. & Son, 53 George St.
Thomson, J. M., 63 George St.
Walford, J. T., 29 Joppa Rd.
Walker, H. W., 12 North St. Andrew St.
Watson, G. M., 50 Queen St.
Watson, G., 6 York Place
f Watson, J., 24 Castle St.
Wilson, G. M., 40 Braid Rd.
Wright, G. L., 122 George St.

ELGIN.
Doig, C. C., 149 High St.
Jameson, J., 77 High St.
a Pratt, R. B., County Bank House
Wittet, J., 81 High St.

ELIE, Fife.
Currie, J. & T. W., Park Place

FALKIRK.
Black, A. & W., 5 King's Court
Copland, T. M., 76 High St.
Gauld, A., High St. West
Goodsir, J. P., Vicar Chambers, Vicar St.
Hamilton, P. & C., Commercial Bank Bldgs.
Page, G. D., Old Glebe Chmbrs., New Market St.
Strang, J., Vicar St.

FORFAR.
Carver & Symon, 34 Castle St.
Gavin & Soutar, 42 East High St.
McLean, W. L., 64 North St.

FORRES.
Forrest, J., Cumming St.
Fulton, P., Nth. of Scot. Bnk. Bdgs.

FORT WILLIAM.
Falconer, L. & J., 4 Cameron Sq.
Mackintosh, C. J. M.

GALASHIELS.
Hall, J. & J., Ladhope Vale

GALSTON.
Macintosh, J., Strath Cottage

GLASGOW.
Abercrombie, B., 131 West Regent St.
Adam, A., 212 St. Vincent St.
Arthur, J., 131 West Regent St.
f Balfour, A., 110 Mains St., Blythswood Sq.
Barclay, H. & D. (*f*), 245 St. Vincent St.
f Bell, G., 212 St. Vincent St.
f Bromhead, H. K., 243 St. Vincent St.
Bryden, R. A., & Robertson (*a*), 147 Bath St.
Bruce & Hay, 261 West George St.
Burnet, Boston & Carruthers, 180 Hope St.
Burnet, J. (*f*), & Son (*f*), 239 St. Vincent St.
f Campbell, J. A., 44 W. George St.
Chalmers, P. M., 95 Bath St.
Chalmers, J., 93 Hope St.
f Clifford, H. E., 225 St. Vincent St.
Cowan & Knox, 136 Wellington St.
Craig, J. J., 219 St. Vincent St.
Cunningham, J., 160 Bath St.
Douglas, C. (*f*), & Paterson, A. N. (*a*), 266 St. Vincent St.
Duncan, R., 102 Bath St.
Dykes, T., & Robertson, A. (*a*), 65 West Regent St.
Ewan, R., 101 St. Vincent St.
a Fairweather, J., 136 Wellington St.
Ferguson, W., 114 W. Campbell St.
a Frazer, W., 248 West George St.
Gardner & Miller, 144 St. Vincent St.
Gordon, J., 261 West George St.
a Gourlay, C., 30 Hamilton Drive, Hillhead
a Gunn, G., 158 Hill St., Garnet Hill
Halley & Neil, 30 Hope St. & 65 Kilbowie Rd., Clydebank
f Hamilton, J., 212 St. Vincent St.
Honeyman, J. (*f*), Keppie (*f*), & Mackintosh, 4 Blythewood Sq.
Howie, W.H., 131 West Regent St.
f Hutchison, J., 127 St. Vincent St.
Hutton, D. B. (*a*), & Taylor, T. L., 212 Bath St.
Laird, J. A., 213 West Campbell St.
f Leiper, W., 121 West George St.
a Lindsay, J., 248 West George St.
a M'Gibbon, A., 93 Hope St.
f McGibbon, W. F., 221 West George St.
f McKellar, J. C., 45 West Nile St.
McKissack, J., 68 W. Regent St.
f McNaughton, D., 137 West Regent St.
Macwhannell (*f*) & Rogerson (*a*), 58 West Regent St.
Miller, A. L. & Son, 122 Wellington St.
f Miller, J., 15 Blythswood Square
Miller (*f*) & Black (*f*), 58 Renfield St.
Mitchell & Whitelaw, 219 St. Vincent St.
Monro, J. M. (*f*) & Son (*a*), 28 Bath St.
Paterson, R. H., 30 Gordon St.
Petrie, A., 134 Wellington St.
Purdie & Gillespie, 164 Bath St.
Ritchie, J., 209 St. Vincent St.
Robinson, C. H., 49 Bath St.
Rowan, W. G., 234 W. George St.
Salmon (*f*) & Son, & Gillespie (*f*), 53 Bothwell St.
Scott, A. H., 188 West Regent St.
Simpson, G., 233 St. Vincent St.

a Sinclair, G. (a), & Ballantyne, 95 Bath St.
f Skirving, A., 121 West Regent St.
Southern, F., 107 St. Vincent St.
Sturrock, D., 95 Bath St.
Sturrock & Wilson, 140 Hope St.
Sutherland, E. A., 96 Renfield St.
Tennant, W., 219 Hope St.
Thomson, J. (f), & Sandilands, R. D. (f), Blythwood Square
Thomson, D., & Menzies, C., 2 West Regent St.
Thomson, A., & Turnbull, 122 Wellington St.
Walton, H. D., 113 West Regent St.
Watson & Salmond, 225 St. Vincent St.
f Watson, T. L., 166 Bath St.
Wemyss, R., 103 Bath St.
Whitie, W. B., 219 St. Vincent St.
Whyte, W. McN., 103 W. Regent St.
Wightman, R. A., 65 W. Regent St.
a Wilson, J. B., 92 Bath St.
Wyllie, D. V., 102 Bath St.
Zamorskai, C. J., 261 W. George St.

GOLSPIE.
Horne, D. E. A., Surveyor's Office

GOREBRIDGE, S.O., Midlothian.
Smith, R.

GOUROCK.
Garvie, J., 9 Kempock St.

GREENOCK.
Boston, Menzies & Morton, 11 William St.
Buchanan, W. G., 7 Virginia St.
Hamilton, T. W., Mansion House
McArthur & Orkney, 32 Cathcart St.
Robson, J., 25 West Burn St.
Stewart, Tough, and Alexander, 2 Hamilton St.

HADDINGTON.
Farquharson, J., 31 Court St.
McAra, J., Carnock Cottage

HAMILTON.
f Cullen, A., Brandon Chambers
Paterson, G., 19 Cadzow St.

HAWICK.
Alison, J. P., 45 Bridge St.

HUNTLY.
Duncan, R., 9 The Square

INVERKEITHING.
a Kerr, H. F., Cruickness
Robertson, A., High St.
Sim, J. C., 16 High St.

INVERNESS.
Alexander, S. G., 17 Queen's Gate
Black, R., 22 Union St.
Cameron & Burnett, Academy Bldgs.
f Carruthers, W. L., 17 Queensgate
Gall, J. H., 4 Lombard St.
Grant, A., Queensgate
Mackenzie, A. F., 15 Union St.
Mackintosh, W., 62 Academy St.
Macrae, D., 38 Wells St.
Munro, T., 62 Academy St.
Rhind, J. R., 28 High St.
Robertson, J., 39 Union St.
Ross (f) & Macbeth (f), Queensgate Chambers
Squair, J., 35 Queensgate

INVERURIE.
Gray, G., 133 High St.

IRVINE.
Armour, J. & J., 43 Bridge Gate

JOHNSTONE.
Kerr & Watson, Union Bank Bldgs., Houston Sq.

KEITH.
Corrigall, D. J., 23 Cross St.
Robertson, F. D., West End Cot., Fifekeith
Thomson, A., 5 Braco St., Fifekeith

KILMARNOCK.
Andrew & Newlands, 37 Bank St.
Arthur, J., 7 Bank Place
Hay, J., 60 Bank St.
Ingram, J. & R. S., 114 King St.
Railton, J. J., 1 St. Marnock Pl.
Smellie & Greig, 1 Woodstock St.

KIRKCALDY.
Birrell, W., 200 High St.
a Smith, D. F., 210 High St.
† Swanston & Syme, Redburn Wynd
f Williamson, W., jun., King's Bldgs.

KIRKCUDBRIGHT.
Macgregor, J. A., St. Cuthbert's St.

KIRKWALL, Orkney Isles.
Peace, T. S., Junction Rd.

LANARK.
Kerr, J., 30 Bloomgate
Traill & Stewart, 38 High St.

LANGHOLM.
Burnet, J., 16 Charles St.

LARGS.
Fryers & Penman, 22 Bath St.

LEITH (see Edinburgh).

LEVEN, Fife.
Dewar, A. C., 10 Durie St.

LINLITHGOW.
Scott, W. M., 112 High St.

LOCKERBIE.
Carruthers, F. J. C., Victoria Sq.

MONIFIETH.
Munro, J., High St.

MONTROSE.
Anderson, J., 160 High St.
Sim, J., 160 High St.

MOSSEND.
Harvie, R., Garfield Avenue

MOTHERWELL.
Bell, J., 8 Merry St.
Cowie, J., Brandon St.
f Cullen, A., 4 Clyde St.
Dyer, W. L., Cross Stone Place
Harvie, R., 8 Clyde St.
Wilson, A. V., & Co., Merry St
Wilson, J., Oakfield Chmbrs., Brandon St.

NEWTON STEWART.
Park, D. K., "Lynnwood"

NEWTOWN ST. BOSWELLS.
Monteath, G., 2 Langland's Place

NORTH BERWICK.
Hardie, J. W., "Ravensheugh"

OBAN.
Brenan, G. W., Albany St. Chmbrs.
McIntyre, C., 22 Alexander Place
Menzies, W. L., 73 George St.

PAISLEY.
Abercrombie, T. G., 1 County Pl.
Barr, J. C. & Cook, 13 St. James Pl.
Caldwell, P., 12 St. Mirren St.
Davidson, C., Terrace Bldgs.
Donald, J., 99 High St.
Dunn, J. R., 29 High St.
Gibson, A., 12 St. Mirren St.
Hamilton, R. A., 19 High St.
f Hutchison, J., Fairhill, Park Rd.
Lamb, J. B., 12 High St.
McGeoch, J. McL., 43 Moss St.
McLennan, W. D., 96 High St.
Millar, R. B., 16 Moss St.
Orchardson, R., 94 High St.
Rennison, J. A., 15 Gilmour St.
Ross, A., 7 M'Kerrell St.
Scott, A. H., 43 Mill St.
Whyte, J. B., Ardmillan, Blackhall

PERTH.
Barker, D. M., 9 South Methven St.
Chalmers, A. G., 9 High St.
Heiton, A. G., 72 George St.
Maclaren & Mackay, 56 George St.
Marshall, J., New Scott St.
Menart & Jarvie, 28 South Methven St.
Robertson, J. M., 68 St. John St
Smart, D., 8 High St.
Smart, J. W., 28 York Place
a Young, G. P. K., 42 Tay St.

PITLOCHRY.
Bell, W.

ROTHESAY.
Dewar, D., 15 Castle St.
M'Lintock, G. M., 21 Castle St.
Thomson, J. R., 5 High St.

RUMBLING BRIDGE.
Macara, N.

ST. ANDREW'S.
Anderson, C. F., 141 South St.
Gillespie, J., & Scott, 4 Queen St.
Henry, D., Church Sq.

SELKIRK.
Bartie, J., County Bldgs.

STIRLING.
Allan, J., 11 King St.
Crawford & Fraser, 27 Murray Pl.
Lupton, A. M., 37 Murray Place
McLuckie & Walker, 15 Dumbarton Rd.
Simpson, E., 16 King St.

STRANRAER.
Adair, A., Harbour St.
Torrance, J., jun., Lochryan Place

STROMNESS.
Baikie, S., jun., North End

TAIN.
Maitland, A. & Sons, Academy St.

THURSO.
Macdonald, S., Olrig St.

TURRIFF.
Duncan, J. & Son, Hallhill

WICK.
Bissett, L., 18 Thurso St.

WISHAW.
Cowie, J., Cleland Rd.
Ross, M. & Sons, 50 Main St.
Steel, J. F., & King, 23 Hill St.

Wales.

ABERAVON.
Smith, F. B., High St.

ABERDARE.
† Elford, C. H., 42 Cannon St.
Henton, E., 22 Cardiff St.
Roderick, T., Clifton St.
Smith, J. L., 7 Victoria Square

ABERYSTWYTH.
a Bassett, G. T., Terrace Rd.
† Dickins-Lewis, G., 12 Terrace Rd.
† Jones, G. & Son, Llanbadarn Rd.
Morgan, T. E., North Rd.

AMMANFORD, S.O.
Burnell, J. E., High St.
Evans, W. L.
f† Jenkins, D., College St.
Thomas, D., Quay St.

BALA.
Jones, R. L., Mount Place

BANGOR.
Davies, R. & Son, 125 High St.
Grierson & Bellis, High St.
Hall, R., Masonic Chambers
a Hughes, H., Arvonia Bldgs.
Williams, J., Penrhyn Estate, Penlan
Williams, W. G., 202 High St.

BARRY.
† Birkenhead, G. A., 21 Park Avenue
Knapman, W. E., Pembroke Chambers, Holton Rd.
Owen, J. A., Main St.

BETTWS-Y-COED.
Griffiths, T.

BLACKMILL, Bridgend.
Jenkins, A. H.

BLAENAU FESTINIOG.
Jones, R. C., 10 Church St.

BORTH, S.O.
Deakin, [A.B. (†), & W. Scott (†),] Plas Ynys

BRECON.
Large, C. J. E., 8 Lion St.
† Williams, T., Church St.

BRIDGEND.
Cook, W. (†), & Edwards, A. G. (†), Masonic Bldgs.
Lambert, G. F. & Son, Prudential Bldgs.
Thomas, P. J.

BUILTH WELLS.
† Smith, T., 5 Market Hall Bldgs.

CAERPHILLY.
Davies, D. M., 24 Cardiff Rd.
Watkins, G. L., Station Terrace

CARDIFF.
Batchelor, R. B., 19 Duke St.
Benson, L. B., 9 Tydraw Place, Roath Park
† Birkenhead, G. A., Caledonian Chambers, St. Mary St.
Blessley, H. D., 22 Trinity St.
f Bruton, E. H., 119 Queen St.
f Budgen, H., 95 St. Mary St.
f Caple, W. H. D., Church St. Chbrs.
f Carter, J. C., Bank Bldgs., St. Mary St.
Cornish, H., 197 Castle Rd
f Corbett, E. W. M., Bute Estate Office, Castle St.
a Down, E. G. C., 31 High St.
f Groves, J. F., Tredegar Estate Office, Pearl St.
f Halliday, G. E., 14 High St.
Hodkinson, W. B., 1 Wordsworth Avenue
James (f) & Morgan (f), Charles St. Chambers
James, J. H., 18 Quay St.
Jones & Richards, Wharton St.
a Jones, I. P., 18 St. Mary St.
† Jones, E. J., 47 Westbourne Place, Cowbridge Rd.
f Kempson, F. R., 16 High St.
Kempthorne, C. H., 24 High St.
Leon, A. M., 20 Working St.
f Phillips, J. H., Clive Chmbrs., Windsor Place
† Pugh-Jones, D., 62 Charles St.
Purnell, I. J., 102 St. Mary St.
Reed, H., Atlas Chbrs., James St.
Robertson, L., & Wilmott (a), 20 Working St.
† Rodger, J. W., 14 High St.
Rooney, S., 9 Quay St.
Salmond, D. C., 15 Queen St.
Sanders, H. P., 23 St. Mary St.
f Seward, E., Queen's Chambers, Queen St.
† Scott, W. H., 18 Queen St.
† Smith, J. W., 81 Keppoch St.
Speir & Beavan, Borough Chmbrs., Wharton St.
a Taylor, C., 12 Fitzalan Place
Teather (f) (†) & Wilson (†), Andrew's Bldgs., Queen St.
f Thomas, G., Queen's Chambers, Queen St.
f Vaughan-Bruce, E. M., Dumfries Place
Veall, F. J., & Sant, J. A. (†), Arcade Chmbrs., High St.
Ware & Williams, Charles St.
f† Williams, E. J., 17 Quay St.
Williams, R. & S. (†), Borough Chmbrs., Wharton St.

CARDIGAN.
Lewis, L., 7 Priory St.

CARMARTHEN.
Child, F. W., 2 Quay St.
† Collier, E., 4 Quay St.
† Jenkins, W. D., Shire Hall
Jones, A., Spilman St.
Morgan, G. & Sons (f & a), 24 King St.
Monnsey, C. H., County Surveyor's Office

CARNARVON.
Bowen & Jones, 12 Castle Sq.
Evans, E., 8 Castle St.
Jones, L. L., Tower Bldgs., Bridge St.
† Jones, R. L., 14 Market St.
Thomas, H., Castle Buildings
White, E. F., 27 Bangor St.

COLWYN BAY.
Evans, W. R., Rhos-on-Sea
Goldsmith, H., Rhos-on-Sea
Hulse, A., Public Hall
Porter & Hunter, Estate Office

COWBRIDGE.
Evans, R. L., Penllyn Court

DENBIGH.
Hughes, J., Park St.

FISHGUARD.
Lewis, L., High St.

HAVERFORDWEST.
Thomas, D. E. & Son, 17 Victoria Pl.
a Thomas, A. H., St. Thomas Green

HENLLAN, S.O.
Davies, D., Penrhiwllan
HOLYHEAD.
f Owen, J., Exchange Chmbrs.
LAMPETER, S.O.
Price, L. B., Doldrement
LLANDAFF.
f Halliday, G. E., The Hermitage
† Pugh-Jones, D., Llandaff Yard
LLANDILO.
Evans, W. L., 34 Rhosmaen St.
f† Jenkins, D., Abbot's Hill
† Jones, J. W., Gwily House
Williams, A. S., Alan Rd.
LLANDRINDOD WELLS.
Deakin, [A. B. (†), & W. Scott (†)]
Morris, E. P., Park Crescent
f† Thomas, R. W., Victoria Chmbrs.
LLANDUDNO.
Crockatt, H., Vaughan St.
† Humphreys, G. A., Mostyn Estate Office
Turner, E., Llewelwyn Chmbrs.
LLANELLY.
Arnold, T., Castle Bldgs.
Burnell, J. E., Frederick St.
Davies, J. & Son (†), Cowell House
Griffiths, W., Falcon Chambers
Jones, D. L., Thomas St.
† Morgan, J. B., New Rd.
LLANFAIR, Pwll Gwyngyll, S.O., Anglesey.
Jones, W. E., Anglesey Estate Offices
LLANFAIRFECHAN, S.O.
a North, H. L., Town Hall
LLANIDLOES.
Grant, J.
LLANRWST.
Griffiths, T.
Jones, H. P.
McIntyre, P., Gwydyr Ucha
MACHYNLLETH.
a Bassett, G. T.

MAESTEG, S.O.
Burnett, E. W., St. Michael's Rd.
Lambert, G. F.
MENAI BRIDGE.
f Owen, J., Uxbridge Square
† Thomas, R. G., Victoria Hotel
MERTHYR TYDFIL.
Davies, C. M., 112 High St.
f Johnson, E. A., Glebeland House
† Marks, A. W. D., Merthyr Express Chmbrs.
Smith, J. L., 67 High St.
MILFORD HAVEN.
Blethyn, C. L., Hamilton Terrace
Gaskell, J. B.
Wood, W. J.
MOLD.
Evans, S., County Offices, King St.
Roberts, A. B., Gwysaney Estate Office
MOUNTAIN ASH.
Morgan & Elford,† 1 Jeffrey St.
NEATH.
Harris, E. H., Victoria Chmbrs., The Parade
Jones, E. C., Queen's Chmbrs., Orchard St.
Jones, S. C., Gt. Western Chmbrs
a Nash, W. J., The Square
Rees, J. C., St. Thomas Chambers, Church Place
NEWTOWN.
Jones, E., Severn Place
Parke, E., Bank Chmbrs., High St.
Swettenham, W.N., Bank Chmbrs., High St.
PENARTH.
f Carter, J. C., Victoria Rd.
Cornish, H., 5 Windsor Terrace

Purrell, I. J., 56 Plymouth Rd.
† Snell, H., 13 Hickman Rd.
PENCOED.
Evans, L. V., Court House
PENTRE, near Pontypridd.
† Rees, J., Hillside Cottage
† Morgan, W. D., P. O. Chmbrs.
a Richards, T. E., 196 Ystra Rd.
PONTLOTTYN, viâ Cardiff.
Davies, A. & W.
PONTYCLUN, S.O.
Davies, D., Llantrissant Rd.
Morgan, W., 11 Bute Crescent, Cowbridge Rd.
PONTYPRIDD.
Evans, Williams & Evans, Post Office Chmbrs.
John, M. W. R., "Dumfries"
Lewis & Morgan, Market Sq. Chmbrs.
† Phillips, T. R., Old Bank Chmbrs., Market St.
Thomas, A. Ll., Church St. Chmbrs
Williams, J. P., Taff St.
PORTH, Rhondda.
Jones, E., 257 High St., Cymmer
PORT DINORWIC.
Williams, W., Ffinfa
PORTMADOC.
Roberts, O. M. (†), & Son (†), 14 Bank Place
PORT TALBOT.
† Gibb, T., Station St.
James, J. A.
Jones & Peregrine, Bank Chmbrs.
† Smith, F. B., St. Oswald's Chmbrs.
PRESTATYN, near Rhyl.
f Lavender, J., Constitutional Club Bldgs., High St.
Thomas, W., High St.
PWLLHELI.
Jones, W. W., Salem Place
RHAYADER.
Jones, J., Penralley Estate Offices

Thomas, R. W., County Surveyor's Office
RHYL.
Ellis, W. P., Town Hall
Hughes, R. E., 158 Wellington Rd.
Simcock, W. J., North & South Wales Bank Chmbrs., Bodfor St
SWANSEA.
Ellis, H. A., 10 Fisher St.
Jones & Peregrine, 77 Rhyddings Park Rd.
f† Moxham, G., 39 Castle St.
Peacock, C. R., Metal Exchange, Fisher St.
† Portsmouth, H. C., 6 Fisher St.
Ruthen, C. T., Bank Chambers Heathfield St.
Thomas, C. S., 63 Wind St.
Thomas, J. M., 20 York St.
TONDU, Aberkenfig.
Burnett, E. W., Jarrow House
Hurley, J., 10 Bridgend Rd.
TONYPANDY, Pontypridd.
† Griffiths, R. S., Excelsior Bldgs.
Lewis & Morgan, Dunraven St.
TOWYN, S.O.
Deakin, [A.B. (†) & W.Scott (†)] & Howard-Jones (†)
Howarth & Coslett, High St.
TREFOREST.
Cule, W. E., Rose Cottage
WELSHPOOL.
Shayler, F. H., Bridge House
Ward, F. D., 38 High St.
WREXHAM.
Bevan, F. A., Queen St.
a Gummow, M. J., Egerton St.
Morison, G., 4 Argyle St.
Moss, T., 2 Temple Row
Rutter, C. D., 9 High St.
Wiles, W. D., 42a High St.
YSTRAD MYNACH, viâ Cardiff.
Kemshole, G., Duffryn House

Ireland.

BEFORE *a name denotes Fellow of the Royal Institute of British Architects.*

f AFTER *a name denotes Fellow of the Royal Institute of Architects, Ireland.*

† *Denotes Member of the Society of Architects.*

a BEFORE *a name denotes Associate of the Royal Institute of British Architects.*

m AFTER *a name denotes Member of the Royal Institute of Architects Ireland.*

ARMAGH.
Jervois, W. S. (*m*), 3 Seven Houses
Parkinson, H. C., 11 College St.
ATHLONE.
Skipton, J. G., Northgate St.,
BALLINASLOE.
Kempster, W. H., Mount Pleasant Avenue
Smith, J.
BALLYMENA.
Boyd, A., 48 Church St.
McCann, F. J., Broughshaue St.
BANBRIDGE, Co. Down.
Larmor, W. W.
BELFAST.
Blackwood (*m*) & Jury (*m*), 41 Donegall Place
Boyd, R. A., 22 Lombard St.
Brennan, J. V., Belfast Bank Chmbs.
Bryne, E. & J., 4 Waring St.
Close, S. P. (*f*) Donegall Square Buildings
f Craig, V. (*m*), 22 Donegall Place
f Fennell, W. J. (*f*), Scottish Provident Bldgs., Wellington Place
† Ferguson, G. W., 83 Royal Avenue
a Fitzsimmons, N., 13 Lombard St.
Fraser, J. & Son, 117a Victoria St.
f Gilliland, W. J. (*m*), 9 Howard St.
Grame-Watt & (*f*) Tulloch (*m*), 77A Victoria St.
Hanna, J. A., Ocean Bldgs., Donegall Square
Houston, T., King's Court, Wellington Place
Lepper (*m*) & Fennell (*m*), 33 Waring St.

Lynn, W. H. (*f*), 21 Callender St.
McCaul, T. H., "Fairview," Osborne Park
McDonnell, J. J. (*m*), 27 Chichester St.
Moore, W. J., 35 Royal Avenue
Paterson, C. D., Scottish Provident Bldgs.
Pentland, T., 50 Wellington Place
a Phillips, J. St. J., 16 Donegall Sq., South
Robinson, J. B., (*m*), 21 Arthur St.
† Roome, W. J. W., (*m*) "Kingscourt," Wellington Place
Russell, — 22 Waring St.
Seaver, H. (*m*), Scottish Temp. Assur. Bldgs., Donegall Sq., Sth.
Seeds, J., 7 Donegall Sq. West
Stevenson, S., 83 Royal Avenue
Taggart, W. D. R., Scottish Provident Bldgs., Donegall Square
Tilley, J. W. E., 5 Ashley Avenue
Young & Mackenzie, Scottish Provident Bldgs., Donegall Sq. West
CASTLEBAR, Co. Mayo.
Ashton-Haghe, V.
COLERAINE.
Given, W. J. & M., Diamond
CORK.
Buckley, D. J., 53 South Mall
Coakley, D. J., 1 Charlotte Quay
Delany, J. F. (*m*), Municipal Bldgs.
Doran, C. G., 23 Chapel St.
Evans, R., 53 South Mall
Flanagin, H. W., 2 South Mall
Hennessy, M. A., 74 South Mall
f Hill, A. (*f*), 22 Georges St.
f Hill, W. H. (*f*) & Son, 28 South Mall
f Hynes, S. F. (*f*), 21 South Mall

† McMullen, J. F., (*m*), 30 South Mall
Roche, K. D., 70 South Mall
† Ryder, W. C., 13 South Mall
† Walker, R., & Son, 17 South Mall
CROSSMOLINA, S.O.
Scott, T. M. O., Stone Hall
CURRAGH CAMP.
O'Connell, J., R.E. Offices
DALKEY, S.O., Co. Dublin.
Higginbotham, J. J, (*m*), 3 Derrymore Terrace, Convent Rd.
DOWNPATRICK.
Heron, J., Court House
DROGHEDA.
Shaw, F. (*m*), 20 St. Lawrence St.
Turley, L., 17 St. Lawrence St.
DROMORE, S.O.
Hobart, H.
DUBLIN.
a Allberry, H. (*m*), Office of Public Works
f Ashlin (*f*) & Coleman (*m*), 7 Dawson St.
f Ashworth, C. H., (*f*), 12 and 13 William St.
Baker, L., Eustace St. Bldgs.
Barrington, W., 9 Hume St.
f Batchelor (*f*) & (*f*) Hicks (*f*), 86 Merion Square South
Beater, G. P. (*m*), 17 Lower Sackville St.
Bergin, F., 36 Westmoreland St.
Bradbury, E. (*m*), 7 Nassau St.
Bryne, W. H. (*f*), & Son (*m*), 20 Suffolk St.

Caldbeck, F. C. (*m*), 2 St. Andrew St.
Clayton, W. G. (*m*), Kimmage Manor, Terenure
f Cochrane, R. (*f*), Office of Public Works
Deane, T. M. (*f*), 15 Ely Place
Donnelly & Moore, 19 Nassau St.
Doolin (*f*), Butler (*m*), & Donelly (*m*), 12 Dawson St.
f Drew, Sir T. (*f*), 22 Clare St.
Farrall, J. J. (*m*), 6 Westmoreland St.
Fuller, J. F. (*f*), 179 Great Brunswick St.
Geoghegan, J. A. (*m*), 115 Grafton St.
Going, S.R., 17 Nassau St.
Hayes, F., (*m*), 24 Nassau St.
Higginbotham, F. W., 9 Lower Sackville St.
Holloway, J.. (*m*), 21 Northumberland Rd.
f Kaye-Parry (*f*) & Ross, 63 Dawson St.
Livingston, R. A., 1 and 2 Westmoreland St.
Lowey, Stuart, & Son, 62 Dame St.
Lundy, H. J. (*m*), 38 Dame St.
McCarthy, C. J. (*f*), Municipal Bldg., Cork Hill
McDonnell, L. A. (*m*), 9 Hume St.
f Millar (*f*) & Symes, 60 Dawson St.
f Mitchell, W. M. (*f*), & Sons, 10 Stephen's Green North
Morris, E. H. (*m*), 43 Dame St.
Moyers & Son, 10 Sth. Frederick St.
f Murray, A. E. (*f*), 37 Dawson St.
O'Callaghan, L., 26 South Fredk. St.

O'Connor, G. L. (*m*), 198 Great Brunswick St.
O'Neil, W. P. (*m*), 200 Great Brunswick St.
Orpen, R. C. (*f*), 13 South Frederick St.
O'Sullivan, P. F., Tolka View, Richmond Rd., Fair View
f Owen, C. A. (*f*) 29 Molesworth St.
f Pentland, J. H., Office of Public Works
Powell, C. B., 107 Rathmines
Scott, A. (†), & Son (*m*), 34 Lower Sackville St.
†*a* Scott, W. A. (*m*), 45 Mountjoy Sq.
Shaw, F. (*m*), 36 Sth. Frederick St.
Shaw, J. H., 4 Westmoreland St.
a Sheridan, G. P. (*f*), 25 Suffolk St.
Stirling, R. (*f*), 24 Clare St.
Swan, R. S. (*m*), 27 Mespil Rd.
Webb, J. H. (*m*), 21 Clare St.
Wilmot, J. C. (*m*), Merrion St.
Wilson, W. C., St. James' Terrace, Malahide
Wrenn, J. P., (*m*) 189 Gt. Brunswick St.

DUNDALK.
Barber, W. S., Francis St.
Beck, W., Francis St.
Cahill, P., Seatown Place
McGahon, J. F., Roden Place
McNair, A. T., 84 Clanbrassil St.
Tuite, C. M., Castletown Rd.

DUNGARVAN.
Barr, J.

DUNLAVIN, Co. Wicklow.
Ramsay, J. J. O.

EDENDERRY, King's Co.
Waters, H. R.

ENNIS, Co. Clare.
Carroll, W., jun.

GALWAY.
Hamilton, T. T., 7 University Rd.
Macdonald, A. (*m*), Francis St.
† Tighe, M. J. (*m*), Merville

GARVAGH.
McCay, S., Mount Pleasant

GREENCASTLE, Londonderry.
Nolan, F.

INNISHANNON.
Payne, S., Upton House

KILDARE.
Bergin, F., Beech Grove

KILKEEL, S.O., Co. Down.
Page, E. C.

LARNE HARBOUR.
Dellridge, J. H., "Dundela"

LETTERKENNY, Co. Donegal.
O'Callaghan, M.
Mc. Intyre, J.

LIMAVADY, Co. Londonderry.
Wilson, J. W.

LIMERICK.
Barrington, W., Clare Chmbs.
Browne, J. J. F., 23 Glentworth St.
Chamney, J. E., 20 County View Terrace, Ballinacurra
DeCourcy, R.W., Cecil St.
Fogerty, R., Henry St.
Horan, J., 82 George St.
Lynch, P. J. (*m*), 8 Mallow St.
O'Malley, J., 10 Glentworth St.
Sheehy, B. E. F., 57 George St.
Slade, M. G., 3 The Crescent

LISMORE.
Fitzgerald, L. M., Estate Office, Lismore Castle
O'Riordan, A. W.

LONDONDERRY.
Buchanan, R. E. & Co., Castle St.
Conroy, D., 21 Shipquay St.
Elliott, P. H., Property Exchange, Castle St.
Johnston, T., 11 East Wall
Knox, J. M. C., 2 East Wall
McElwee, W., William St.
McGrath, J. P., Commercial Bdgs., Foyle St.
Nolan, R. H., Carlisle Rd.
Pinkerton, W. E. (*m*), Shipquay St.
Robinson, M. A. (*m*), 3 Richmond St.
Robinson, J. M., 7 East Wall
Simmons, R. H., Duke St., W'side
Stewart, A. McC., Victoria Chbrs., Strand Rd.
Toye, E. J., 20 Great James St.

LONGFORD.
a Gunnis, J. W., "Winston"

MAGHERACASTLE, Co. Antrim.
Mackinnon, J. (*m*), Clogher House

MULROY, MILFORD, Co. Donegal.
Wilkinson, J., Leitrim Estates Office

NAAS.
f Glover, E., Court House

NEWCASTLE WEST, Co. Limerick.
Leahy, J.

NEWTOWNARDS, Co. Down.
Chappell, H. (*m*), The Grove

QUEENSTOWN.
Doran, C. G., Dunworth House

RATHDRUM, Co. Wicklow.
Gallagher, S. G.

RATHKEALE, S.O., Co. Limerick.
Hartigan, F. C., St. Kyran's

ROSTREVOR, Co. Down.
Watson, W. J. (*m*), Benvenue

SLIGO.
Gilcriest, J. F. (*m*), Wine St.

WATERFORD.
Duffin, W. E. L'Estrange, Co. Surveyor's Office
Lovell, A. O. M., 87 Quay.

WEXFORD.
O'Brien, E. S., Westown House The Westgate
Webster, H.

WICKLOW.
Moore, G. T.
Pansing, J., Church Hill

2. Ecclesiastical Surveyors.

(Appointed under the Ecclesiastical Dilapidations Acts, 1871.)

Those marked (*) are Members of the Ecclesiastical Surveyors' Association.

DIOCESE OF BANGOR.

*Hughes, H., A.R.I.B.A., Arvonia Bldgs., Bangor

DIOCESE OF BATH AND WELLS.

*Hippisley, E. M., 10 Chamberlain St., Wells (No. 1 District)
*Wainwright, C. R., Shepton Mallet (No. 2 District)
*Cottam, A. B., 43 & 45 High St., Bridgwater (No. 3 District)

DIOCESE OF BRISTOL.

*Ponting, C. E., F.S.A., Marlborough

DIOCESE OF CANTERBURY.

*Jennings, W. J., 4 St. Margaret St., Canterbury

DIOCESE OF CARLISLE.

Ormiston, A., Carlisle
*Banks, J., 14 Finkle St., Kendal
Wadham, W. F. A., Millwood, Dalton-in-Furness

DIOCESE OF CHESTER.

*Hall, C. R., West St., Congleton, Cheshire

DIOCESE OF CHICHESTER.

*Ridge, L. W., F.R.I.B.A., 5 Verulam Bldgs., Gray's Inn, & 104 High Holborn, London, W.C.

DIOCESE OF DURHAM.

*Moscrop, W. J., F.R.I.B.A., Feethams, Darlington

DIOCESE OF ELY.

*Fawcett, W. M., F.R.I.B.A., 1 Silver St., Cambridge
*Flatman, J., Newmarket
*Ladds, S. I., Market Place, Huntingdon
*Mallows, C. E., Times Bldgs., Bedford

DIOCESE OF EXETER.

Andrew, J. M., Ridgway Plympton, Devon (Deaneries of Plympton, Tamerton, Tavistock, and Okehampton, in the Archdeaconry of Totnes)
*Rowell, W., M.S.A., 10 Devon Square, Newton Abbot (Deaneries of Woodleigh, Totnes, Ipplepen and Moreton, in the Archdeaconry of Totnes)
*Smyth-Richards, G. C., Barnstaple (Archdeaconry of Barnstaple)
*Harbottle, E. H., County Chmbrs., Exeter (Archdeaconry of Exeter)

DIOCESE OF GLOUCESTER.

*Waller, F. W., F.R.I.B.A., 17 College Green, Gloucester

DIOCESE OF HEREFORD.

*Oswell, A. E. Lloyd, A.R.I.B.A., Dana Chmbrs., Castle Gates, Shrewsbury (Archdeaconry of Ludlow)
*Nicholson, J. A. T., A.R.I.B.A., Hereford (Archdeaconry of Hereford)

DIOCESE OF LICHFIELD.

*Lynam, C., F.R.I.B.A., Stoke-on-Trent (Archdeaconry of Stoke-on-Trent, and part of Archdeaconry of Stafford)
*Beck, F. T., Wulfrun Chmbrs., Darlington St., Wolverhampton (part of Archdeaconry of Stafford)
*Nevitt, R. A., 57A Greengate, Stafford (part of Archdeaconry of Stafford)
*Treasure, H. H., 16 Chester St., Shrewsbury (Archdeaconry of Salop)
*Oswell, A. E. Lloyd, A.R.I.B.A., Dana Chmbrs. Castle Gates, Shrewsbury (Archdeaconry of Salop

DIOCESE OF LINCOLN.

*Bond, W., 11 Elmer St., Grantham
*Gregorie, F. St. B., Lincoln
*Scorer, W., Bank St. Chmbrs., Lincoln
Walter, S. Horncastle
*Tindal, C. W., Wainfleet
Traylen, J. C., A.R.I.B.A., Stamford
Williams, R., Wragby

DIOCESE OF LIVERPOOL.

*Bradbury, G., 14 Cook St., Liverpool

DIOCESE OF LLANDAFF.

*Halliday, G. E., F.R.I.B.A., 14 High St., Cardiff, and Llandaff (Archdeaconry of Llandaff)
Caple, W. H. D., Church St. Chmbrs., Cardiff (Archdeaconry of Monmouth)

DIOCESE OF LONDON.

*Jackson, A. B., 3 New Sq., Lincoln's Inn, W.C.
*Monson, E., F.R.I.B.A., Grosvenor House, Acton Vale, W., & 22 Buckingham St., Adelphi, W.C.

DIOCESE OF MANCHESTER.

Preston, R. B., 57, South King St., Manchester (Archdeaconry of Manchester)
Seward, J. A., 148 Church St., Preston (Archdeaconries of Lancaster and Blackburn)

DIOCESE OF NEWCASTLE.

*Plummer, A. B., F.R.I.B.A., 13 Grey St., Newcastle-on-Tyne

DIOCESE OF NORWICH.

*Green, H. J., A.R.I.B.A., 31 Castle Meadow, Norwich
*Bisshopp, E. F., 32, Museum St., Ipswich
*Lacey, A. J., 6 Upper King St., Norwich

DIOCESE OF OXFORD.

*Stallwood, S. S., 27 Market Place, Reading

DIOCESE OF PETERBOROUGH.

*Townsend, H. M., A.R.I.B.A., Cross St., Peterborough (Archdeaconry of Oakham)
*Draper, A. T., Leicester (Archdeaconry of Leicester)
*Holding, M. H., Corn Exchange, Northampton (Archdeaconry of Northampton)

DIOCESE OF RIPON.

*Chorley, H. S., 15 Park Row, Leeds
*Peterson, E. P., 10 The Exchange, Bradford
Moscrop, W. J., F.R.I.B.A., Feethams, Darlington
*Broughton, J. W., 19 High St., Skipton-in-Craven

DIOCESE OF ROCHESTER.

*Rawlinson, J., 11 Adam St., Strand, London, W.C
*Whinney, T. B., 8 Old Jewry, London, E.C.

DIOCESE OF SALISBURY.

*Harding, M., 58 High St., Salisbury (Archdeaconry of Sarum)
*Ponting, C. E., Marlborough (Archdeaconries of Wilts and Dorset)

DIOCESE OF ST. ALBANS.

*Chancellor, F., F.R.I.B.A., Chelmsford
*Jackson, A. B., 3 New Sq., Lincoln's Inn, W.C.
*Davys, F. T., Wheathampstead
*Francis, H. N., Palmerston Bldgs., Old Broad St. E.C.
*Beaumont, P. M., Maldon, Essex
*Frere, E. C., 27 Lincoln's Inn Fields, London, W.C.

DIOCESE OF ST. ASAPH.

Hughes, J., Park St., Denbigh (Archdeaconry of St. Asaph)
Spaull, W. H., F.R.I.B.A., 24 Upper Brook St., Oswestry (Southern portion of Diocese)

DIOCESE OF ST. DAVID'S.

*Williams, G. G., Ashburnham Estate Office, Burry Port, R.S.O., Carmarthenshire
*Owen, T. R., Haverfordwest

DIOCESE OF SODOR AND MAN.

Cowle, H., St. George's St., Douglas.

DIOCESE OF SOUTHWELL.

*Wigram, J., South Collingham, Newark
*Currey, P. H., Market Place, Derby
*Brewill, A. W., 44 Parliament St., Nottingham
*Hunter, M., Bridge St., Belper
Coleman, J., Derby
*Heazell, A. E., Burton Bldgs., Parliament St., Nottingham

DIOCESE OF TRURO.

Strong, J. M., St. Stephen-by-Launceston (Archdeaconry of Bodmin)
Jenkins, W. K., 12 Wood Lane, Falmouth (Archdeaconry of Cornwall)

DIOCESE OF WAKEFIELD.

*Fox, C. J., 7 Rawson St., Halifax
*Hanson, J. H., Huddersfield
*Simpson, F., Southgate Chmbrs., Wakefield

DIOCESE OF WINCHESTER.

*Barker, A. R., 11 Buckingham St., Strand, W.C.
*Cancellor, B. D., 12 Jewry St., Winchester

DIOCESE OF WORCESTER.

Mansell, E., 47 Temple Row, Birmingham (County of Warwick)
Parker, A. H., F.R.I.B.A., 5 Foregate St., Worcester (remainder of Diocese)

DIOCESE OF YORK.

Brierley, W. H., 13 Lendal, York
*Brodrick, F. S., 77 Lowgate, Hull
*Demaine, J., 13 Lendal, York
*Lofthouse, T. A., 62 Albert Rd., Middlesbrough
Walker, W. S., 77 Lowgate, Hull
*Webster, J. D., 10 St. James' St., Sheffield

3. Builders and Contractors.

The following List comprises the Builders and Contractors whose names have been supplied by over 2000 Architects as Firms who have carried out work under their supervision. In some cases Firms have given lists of works executed which should be a guide to the selection of names when putting out Contracts. *No guarantee is given as to the position or qualification of any Firm in the List.*

1. London. 2. Provincial. 3. Scotland. 4. Wales. 5. Ireland.

(R.P.) Indicates Registered Plumber.

I. London.

Abrams, H. J. S., 8A Canfield Gardens, South Hampstead, N.W.
Abbott, J., 2 Welbourne Rd., Tottenham, N.
Adams & Son, King George St., Greenwich, S.E.

THOMAS ADAMS,
Tramway, Road & Sewer Contractor.
Estimates for Public Works.
CHIEF OFFICE—
WOOD GREEN, LONDON, N.
WHARVES:—
Holloway, G.N.R. Thames Wharf.
Pepper's Warehouses. Palace Gates.
Telegrams: "PIPELAYING, London."
Telephone: No. 16 TOTTENHAM.
Bankers: London and County.
References from leading Engineers, Architects and Surveyors.
Steam Rollers and Road Scarifiers on Hire.

ESTABLISHED 1852.
T. H. ADAMSON & SONS,
BUILDERS & CONTRACTORS,
Stone and Marble Masons,
HIGH STREET, PUTNEY, S.W.
Telephone: 45, PUTNEY.
This is now the only address of the business hitherto carried on at Putney, Chiswick and Ealing.

Aird, J., & Sons, Belvedere Rd., S.E.
Aitchinson, T., 181 West End Lane, N.W.
Akers & Co., 13 High St., South Norwood, S.E.
Aldin & Johnson, 1 Gloucester Rd., S.W.
Aldin Bros. & Davies, 39A Queen's Gate Gdns., S.W.
Alflatt, 24 Matilda St., Caledonian Rd., N.
Allen, F. S., 68 Park Lane, Tottenham, N.
Allen, G. E., 256 Lillie Rd., Fulham, S.W.
Altria, G., 28 Tavistock Cres., Westbourne Park, W.
Alwin, J., 23 Ashmead Rd., St. John's, S.E.
Ambrose, E., 36 High St., Highgate, N.
Anderson, H. R., 25 Chilworth St., Paddington, W.
Anderson, J., 4 Clareville Gds., S. Kensington, S.W.
Andrew & Nansen, 18 Brixton Rd., S.W.
Andrews, A., Carlton Rd., Mile End, E.
Ansell, C., 14 & 15 Chicheley St., York Rd., S.E.
Appleby, J., & Sons, Aquinas St., Stamford St., S.E.
Ashby & Horner, 8 Aldgate, E.
Ashby Bros., 6 Union Court, Old Broad St., E.C.
Athey, F. (see Advt.)
Back, W. H., 179 Belsize Rd., Kilburn, N.W.
Bain, J., Ravenscourt Avenue, King St. West, Hammersmith, W.
Balaam Bros., Shenton St., Old Kent Rd., S.E.
Banfield, J. S., 309 King St. W., Hammersmith, W.
Banks, W., 18 Egerton Rd., Greenwich, S.E.
Barber, A., & Son, 2 Fetter Lane, E.C.
Bargman, Son & Co., Bride Lane, Fleet St., E.C.
Barker, G., 21A Settles St., Commercial Rd., E.
Barker, J., & Co., 52-56 High St., Kensington, W.
Barnett, S., 68 Salisbury Rd., Kilburn, N.W.

FRED. ATHEY,
(Assoc. Royal San. Inst.)
BUILDER & DECORATOR,
52A & 53 HIGH STREET,
SOUTH NORWOOD,
S.E.

Barrett & Power, 30 Little Trinity Lane, E.C.
Barrett, H. G. & Co., 59, Fernhead Rd., Harrow Rd., N.W.
Barrett, W., 65 Myddleton Rd., Bowes Park, N.
Bartholomew & Co., 11 Portman St., Portman Square, W.
Bate Bros., 29 Hornsey Rise, N.
Batt & Hart, 65 Aldersgate St., E.C.
Battley, Sons, & Holness, 21 Old Kent Rd., S.E.
Baxter, J., 38 Plashet Rd., Upton Park, E.
Baylis & Freshwater, 58 Earl's Court Rd., S.W.
Beale, G.W., Grove Ho., Cambridge Heath Bdge., N.E.
Beaton, W. S., 18 & 19 Hindon St., Pimlico, S.W.
Beattie, R. P., 191 Victoria Street, S.W.
Beckey, W., 69 Gloucester Rd., Camberwell, S.E.
Bell, G., Tottenham Hale, N.

TELEPHONE: No. 1156 HAMMERSMITH.
THOMAS BENDON, LTD.,
Builder and Contractor,
CHANCELLOR'S WORKS,
HAMMERSMITH, W.
Architects and Private References it required.

Bennet & Son, Hither Green Lane, Lewisham, S.E.
Best, S. R., 129 Shardeloes Rd., Brockley, S.E.
Bird, S. G., 28A Upper George St., W.
Black, A., & Son, Perry Vale, Forest Hill, S.E.
Blackmore, T., 10 Rectory Grove, Clapham, S.W.
Bloomfield, J. E., 156 West Grn. Rd., Tottenham, N.
Blow, S. (R.P.), 3 and 3½ Royal Mint St., E.
Blyth & Co., 31 Park Ter., Regent's Park, N.W.
Blyton, C., & Sons, 13 and 14 King St., E.C.
Boader, J., 2 Hetley Rd., Shepherd's Bush, W.
Bostel, D. T., & Sons, 71 Ebury St., S.W.
Bothwell, A., 112 Clifton Rd., Canning Town, E.
Boulter, W., 251 Romford Rd., Forest Gate, E.
Boulton, S. J., 8 College St., Islington, N.
Bovis, C. W., & Co., 1 New St., Dorset Sq., N.W.
Bowden Bros., 55 Kilburn Park Rd., N.W.
Bowden, C., & Co., 79 Elizabeth St., Eaton Sq., S.W.

Bowyer, J., & Co., College Rd., Dulwich, S.E.

J. & C. BOWYER,
(ESTABLISHED 1860)
BUILDERS & CONTRACTORS,
Westow St., Upper Norwood, S.E.
Works executed include—
Penge Vestry Hall, Anerley; Congregational Church, Anerley; Wesleyan Chapel, Anerley; Wesleyan Chapel and Schools, Upper Norwood; Tower, Upper Norwood Congregational Church; Tower and Spire Renovation, All Saints' Church, Upper Norwood; Christ Church Schools, Upper Norwood; Wesleyan Chapel and Schools, Roupell Park; Board Schools, Upper Norwood; Additions, Baptist Chapel, Upper Norwood; Congregational Church, Addiscombe; Alterations, &c., Wesleyan Chapel, Addiscombe; Congregational Church Schools, Bromley; St. Mary's Church (Additions), Balham; Wesleyan Chapel and Schools, Streatham; Church of Ascension, Balham; St. Luke's Church, Bermondsey; St. Anselm's Church, Streatham; St. Peter's Church (Additions), Streatham; Alterations, &c., Wesleyan Chapel, Sydenham; Additions, Dulwich Picture Gallery; All Saints' Church, West Dulwich; Additions, Christ Church, Gipsy Hill; St. Mary's Chapel, Brondesbury; Additions, Christ Church, North Finchley; Chelsea Casual Wards; Bromley Wesleyan Sunday Schools; Coroner's Court and Mortuary, Lewisham; Lewisham Town Hall Extension; and various Building Contracts for the School Board for London, etc., etc., and some Hundreds of Residences under various Architects.

Boxall, E., 510A High Rd., Tottenham, N.
Boyce, T., 8 Hart St., Bloomsbury, W.C.
Brading, R. W., 202 South Lambeth Rd., S.W.
Bragg, H., & Sons, Robsart St., Brixton, S.W.
Braid, Pater & Co., Ld., 9 Bow Churchyard, E.C.

W.M.BRAND & Co.
Builders & Contractors,
247 West Green Road,
SOUTH TOTTENHAM, N.
Telephone No. 1728 Tottenham.

Brass, W., 13 and 14 Abchurch Lane, E.C.
Bray & Pope, 12 Cambridge Place, Hyde Park, W.
Bridgman, J., 1½ Guildford St., Gray's Inn Rd., W.C.
Brittain, G., 247 Kennington Rd., S.E.
Britton, F., 44 Bedford Row, W.C.
Brown & Harris, 24 Devonshire St., W.C.
Brown, A. J., 56 Leighton Rd., Kentish Town, N.W.
Brown, C. E., 96 Wellfield Rd., Streatham, S.W.
Brown, G., 6 Malden Cres., Kentish Town, N.W.
Brown, H., 160 Albion Rd., Stoke Newington, N
Brown, W., 274 Goswell Rd., E.C.

ESTABLISHED 1882.

W. & C. BROWN,

Builders, Contractors, and Boiler Setters,

POPLAR WORKS,

385, Garrett Lane,

(Late 1 Inman Road,)

WANDSWORTH, S.W.

Telephone No. 364 Battersea.

Estimates given for all kinds of Boiler Setting.

Brown, W. G., 190 Mile End Rd., E.
Bryant, J. J., Bedford Park, Turnham Green, W.
Bryden, M., 26 Lynmouth Rd., Stamford Hill, N.
Bucknell, R. & Son, 59 Regent's Park Rd., N.W.
Buckeridge, R. S., 37 High St., Manchester Sq., W.
Bugler & Co., Upper Richmond Rd., Putney, S.W.
Bullers, J., George Row, Bermondsey, S.E.
Burdett & Sons, 9 Spring St., Hyde Park, W.
Burford & Son, 35 High St., Hampstead, N.W.
Burman, H., & Sons, Sharsted St., Kennington, S.E.
Burton & Tisdale, 72 Cannon St. Rd., E.
Burton, W., 74A Kensington Park Rd., W.
Bush, A., & Sons, 6A Ridgmount St., W.C.
Butland, J., 2 Braden St., Paddington, W.
Bywaters, G. H. & A., & Sons (R.Ps.), 10 King St., Regent St., W.
Cains, S., Leytonstone Rd., Leytonstone, E.
Callingham, W., St. Mary Abbott's Ter., Kensington, W.
Callow & Wright, Grange Rd., Willesden Grn., N.W.
Calnan & Son, 242A Commercial Rd., E.
Campbell, Smith & Co. Ld., 75 Newman St., W. (Interior Decorators)
Candler, G., & Son, 258A Brixton Hill, S.W.
Carmichael, J., 331 Trinity Rd., Wandsworth, S.W.
Carter & Wise, Crescent Place, Fulham Rd., S.W.
Castle, C., & Son, 6 Clifden Rd., Lower Clapton, N.E.
Catley, J., Selby Rd., Leytonstone, E.
Chafen & Newman, 96 Trundleys Rd., Deptford, S.E. (and Pile Drivers)
Chalkley, J. C., 42 Grange Rd., Bermondsey, S.E.
Chamberlen Bros., 182 Hammersmith Rd., W.
Champion, W. T., 1 Scylla Rd., Peckham, S.E
Chapman, W., 36 Black Lion Lane, Hammersmith, W.
Chappelow, G., 27A Charles St., Berkeley Sq., W.
Chapple, G. J., 163 Vauxhall Bridge Rd., S.W.
Charlton, W. A., "St. Leonards," Mill Hill, N.
Chatwin, A., 122 Clarendon Rd., Notting Hill, W.
Chessum, J., & Sons, Monier Rd., Bow, E.
Child, H., 10 & 11 Harp Alley, Farringdon St., E.C.
Chinchen, F. T. & Co., Berens Rd., Kensal Green, W.
Chirgwin, A. B., 4 Parfitt Rd., S. Bermondsey, S.E.
Christmas, E. C., 55 Dartmouth Rd., Forest Hill, S.E.
Chubb, E., Southgate Rd., Islington, N.
Clare Bros., 182 Romford Rd., E.
Clarke & Bracey, 64 Coleman St., E.C.
Clarke & Mannooch, 6 Great Castle St., W.
Clark, A. C., 225 Camberwell Rd., S.E.
Clarke, J. H., 15 Lessar Avenue, Clapham Common, S.W.
Clarke, T., 41 Church Rd., Brixton, S.W.
Clemens, J., Bridge Rd., Stratford, E.
Clifton, H. C., 24 Cleveland Gdns., Bayswater, W.
Clinch & Son, 8 Halliford St., Essex Rd., N.
Clogg, H. V., 81 Vallence Rd., N.E.
Cock, E., 137 Wardour St., W.
Cockerell, M., & Sons, 107 Hammersmith Rd., W.
Cocks, J. & H., Ld., 1 Frederick Pl., Mile End Rd., E.
Cogman, B. R., 17 Lawrence Rd., Tottenham, N.
Cole, C., 45 Museum St., Bloomsbury, W.C.
Colley, B., & Sons, Portland Rd., Notting Hill, W.
Collingwood, W. O., 158 Brockley Rd., S.E.
Collins, C. D., 78 Northcote Rd., Battersea, S.W.
Collins, J. F., 16 Camden Rd., N.W.
Colls & Sons (Trollope, G. & Sons, & Colls & Sons, Ltd.), 5 Coleman St., E.C.
Colman, J. C., 389 High Rd., Tottenham, N.
Cone & Smith, Grove Lane, Stamford Hill, N.
Coney, H. & Co., 190, Brockley Rd., S.E.
Coombs, A., London Rd., Forest Hill, S.E.
Co-operative Bldrs., Ld., Burton Rd., Brixton, S.W.
Cooper & Holt, 48 to 50 Bunhill Row, E.C.
Cooper & Taylor, 35 Duke St., Manchester Sq., W.
Cooper, J., 78 Lebanon Gdns., Wandsworth, S.W.
Cooper, S., 65 Crystal Palace Rd., S.E.
Cooper, W., 17 Mortimer St., W.
Costa, W. & Co., Gresham Rd., Brixton, S.W.
Cottrell, F., 118 Crouch Hill, N.
Coulsell Bros., Morpeth St., Bethnal Green, E.
Coulthard, T., 113 Eaton Terrace, Ebury St., S.W.
Courtney and Fairbain (see Advt.)
Cowley & Drake, 18 Dean Rd., Willesden Green, N.W.
Cowtan & Sons, Ld., 314 Oxford St., W.
Cox, G., 495 Holloway Rd., N.
Cox, H., 14 Parkhouse St., Camberwell, S.E.
Coxhead, F. J. (see Advt.)
Crabb & Son, 100 Brixton Hill, S.W.
Craske, O. (see Advt).
Creaton & Co., 13 Lancaster St., Hyde Park, W.

Courtney & Fairbairn

Builders and Contractors,

Marlborough Works,
Albany Road,

CAMBERWELL, S.E.

Among the works recently executed are the following:

New Bank at corner of Old St. and Clerkenwell Rd., T. B. Whinney, Esq., Archt.

3 Blocks of Premises corner of Sloane St. and Brompton Rd., W. D. Goodwin, Esq., Archt.

The Cranbourne Hotel, St. Martin's Lane, W.C., R. A. Lewcock, Esq., Archt.

New Warehouses, Craven St., East Rd., City Rd., Ernest Newton, Esq., Archt.

New Factory for Scott's Emulsion Factory, Southall, C. G. Miller, Esq., Archt.

New Warehouses, Portpool Lane, Gray's Inn Rd., W.C., M. T. Saunders, Esq., Archt.

New Bottling Stores, Canal St. Camberwell, S.E., R. A. Jack, Esq., Archt.; etc.

F. J. COXHEAD,

Builder and Contractor,

LEYTONSTONE, E.

Among the Works Executed are the following—

New Schools at Barking; C. J. Dawson, Archt., £12,000.

New Infants' School, Stamford Hill, for Tottenham School Board; C. Bell, Archt., £6,155.

New Barracks at Sunderland, for the Salvation Army; W. Gilbee Scott, Archt., £3,600.

Enlargement of Canonbury Rd. Schools, London School Board; T. J. Bailey, Archt., £12,000.

Enlargement, Kender Street Schools, London School Board; T. J. Bailey, Archt., £2,800.

New Methodist Church, Walthamstow; J. W. Dunford, Archt., £2,500.

New Presbyterian Church, Leytonstone; W. Wallace, Archt., £3,500.

New Town Hall and Technical Institute, Leyton; J. Johnson, Archt., £24,250.

4 Villas, Woodford, £3,300; R. C. Murray, Archt.

New Schools, Newport Road, Leyton; W. Jacques, Archt., £8,879.

St. Stephen's Schools, Upton Park; F. and H. Francis, Archts., £2,700.

Warehouse, Queenhithe, City; C. Bell, Archt., £4,000.

Warehouse & Show Rooms, City; C. Bell, Archt., £5,000.

Electric Light Works and Chimney Shaft for Leyton Council; W. Dawson, Surveyor, £12,000.

Infants' School (Central London Schools), Hanwell; Newman & Jacques, Archts., £5,489.

Wesleyan Church, Gospel Oak; Beresford Pite, Archt., £5,353.

Suite of Offices, Devonshire Square; R. M. Roe, Archt., £13,000.

Davies Lane Schools, for Leyton School Board; W. Jacques, Archt., £26,000.

Gordon Calthorpe Memorial Hall, Whitechapel; W. Wallace, Archt., £5,500.

Brick Culvert and Sewer, for Leyton Council; W. Dawson, Surveyor, £6,000.

Roads and Sewers for London County Council; £16,000.

Sewers and Extension of Electric Light Works for Leyton District Council; W. Dawson, Surv., £8,500.

Leyton Wesleyan Schools; Gordon & Gunton, Archts., £4,500.

Leyton Public Baths for Leyton Council; Harrap Duffield, Archt., £25,000.

Board Schools, Farmers Rd., Leyton; W. Jacques, Archt., £25,000.

Board Schools for Walthamstow; H. Prosser, Archt., £6,867.

"Bassishaw House" Office Buildings, 106 rooms; R. M. Roe, Archt.

Board School for Leyton; W. Jacques, Archt., £26,337.

L.C.C. Roads and Sewers, Tottenham, £6,000.

St. Edward's Church, Leyton; G. E. S. Streatfield, Archt.

Hospital, Chingford, for Walthamstow Council; G. W. Holmes, Engineer.

Offices, Fleet St. and Whitefriars St., E.C.; R. M. Roe, Archt.

High School for Girls, Stratford, for the Governors; W. Jacques, Archt.

Emmanuel Mission Church, Lea Bridge Road, Leyton; E. C. Frere, Archt.

Telephone 394 Western.

OSWALD CRASKE,

Builder & Decorator,

SYDNEY WORKS, SYDNEY STREET,

CHELSEA, S.W.

Contracts recently completed:
Wesleyan Church and Schools, &c., Chelsea, £12,700. Additions to Mansion, Mayfair. New Stables and Garage, Mayfair. £12,000 New Houses on the Cadogan Estate, £3,000 and £4,000. House and Stables, Hadley Wood, £2,500, &c.

References to Architects and Clients.
Personal Supervision of all works.

Croft, W., 8 Wiverton Rd., Sydenham, S.E.
Crook, B., 102 Acre Lane, Brixton, S.W.
Crosser, A., 9 Great Sutton St., E.C.
Crouch, T., 26 Shouldham St., Edgware Rd., W.
Cubitt, W., & Co., 258 Gray's Inn Rd., W.C.
Cuddon, J., Lansdowne Hill, West Norwood, S.E.
Curtis, J. S., & Sons, Whitehorse St., Stepney, E.
Curtiss, W. & E., 42 Curzon St., Mayfair, W.
Cutting, F. C., 114 Kensington Park Rd., W.
Dabbs, W. M., & Son, Goulton Rd., Clapton, N.E.
Dainton, S. J., Belsize Rd., Kilburn, N.W.
Dakin & Co., 151 Up. Richmond Rd., Putney, S.W.
Davenall, H. G., 49 Roderick Rd., Gospel Oak, N.W.
Davenport, C. (R.P.), 110 Hammersmith Rd., W.
Davis, R., 33 Wellington Sq., Chelsea, S.W.
Dawes, F., 47 Peckham Rye, S.E.
Day, W., 16, Hindon St., Pimlico, S.W.
Dearing, C., & Son, 61 Halliford St., Essex Rd., N.
Dennett, J., 24 Sydenham Rd., Sydenham, S.E.
Dennis, J., 158 Hurlingham Rd., Fulham, S.W.
Densham & Sons, 17 Circus Rd., N.W.
Dickeson, J., The Exchange, Balham, S.W.
Dixon & Jones, 7 Gray's Inn Rd., W.C.
Dixon, W., & Co., Ltd., 31 Westbourne Terrace North, Westbourne Square, W.
Dobell Bros., 15 Santley St., Brixton, S.W.
Dobson, H. M., 13 Barlboro' St., New Cross Gate, S.E.
Dolman, J. & Co., 1 Ellerthorpe St., Poplar, E.
Dorking, A., 65 Edith Grove, Chelsea, S.W.
Dorrell, Bros., 25 London Rd., Forest Hill, S.E.
Douglas, J., 12 Exhibition Rd., S.W.
Dove Bros., 15 Studd St., Islington, N.
Dove, H. M., 131 Euston Rd., N.W.
Downing, J., 22 Stanley St., Deptford, S.E.
Downs, W., Hampton St., Walworth Rd., S.E.
Dowsing, S., & Sons, 26 Pembridge Rd., Notting Hill, W.
Drake, E., & Son, Well Rd., Hampstead, N.W.
Drew & Co., 245 & 246 High Holborn, W.C.
Drury & Son, 463 Brixton Rd., S.W.
Duffield & Son, Palace Wks., Kensington High St., W.
Dunn, S. & S., 31 Brewer St., Golden Sq., W.
Durrant, W. H., 2 Camden St., Oakley Sq., N.W.
Eames, H., 135 Hill St., Peckham, S.E.
Eames, W., 91 Highgate Hill, N.
Eastlakes, Ld., 1 Carteret St., Westminster, S.W.
Easton, W., 43 Sonning St., Barnsbury, N.
Easun, W., 59 Fairfax Rd., South Hampstead, N.W.
Eddie, R., 17 Tyndale Place, Upper St., N.
Edmondson, I., & Son, 6 Station Rd., Muswell Hill, N.
Edwards & Hobbs, Springfield Ter., Willesden, N.W.
Edwards & Medway, 9 Ethelred St., Kennington Cross, S.E.
Edwards, E., 120 Leighton Rd., Kentish Town, N.W.
Elkington & Son, Phœnix Works, Roman Rd., Bow, E.
Ellis, W., & Co., 5 Harp Alley, Gt. Tower St., E.C.
Ellis & Turner, 90 Aldersgate St., E.C.
Ellis, F. W., 45 Anerley Rd., S.E.
Emmett, T., 193 High St., Stoke Newington, N.
Emmitt, G., 59 Martin St., Jamaica Rd., S.E.
Evans, R. & E., 8 Lisford St., Peckham, S.E.
Evans, W., 2 Fulbrook Rd., Upper Holloway, N.
Eydmann, E., jun., Holley Rd., Turnham Green, W.
Fairhead, G. & J., 160 Long Lane, Bermondsey, S.E.
Falkner, J. W., & Sons, Ossory Rd., Old Kent Rd., S.E.
Farrell, W., Old Dover Rd., Blackheath, S.E.
Fearman, H. & F., 11 Charles St., Hatton Gdn., E.C.
Fellowes, W. W., 88 Reighton Rd., Up. Clapton, N.E.
Finch & Son, Duke St., Grosvenor Sq., W.
Fletcher, W., 50 Cadogan St., Chelsea, S.W.
Flew & Co., 199 North End Rd., W. Kensington, W.
Flint Bros., Bedford Rd., Clapham, S.W.
Flower Bros., 48 Upper Baker St., N.W.
Ford & Walton, Ltd. (see Advt. on next page)
Ford, J. F., 89 Fitzalen St., Kennington Rd., S.E.
Ford, T., 461 West Green Rd., Tottenham, N.
Fortescue, N., & Sons, 215 Mare St., Hackney, N.E.
Foster, H. S., Essex St., Whitefriars, E.C.
Foster & Dicksee, Manresa Rd., Chelsea, S.W.
Foulger, F. T., 49 Gray's Inn Rd., W.C.
Fowler Bros., 2 Duke's Rd., Euston Rd., N.W.
Fox, E. J., Crown Hill, Upper Norwood, S.E.
Fox, W., Milton House, Anerley Park, S.E.
Foxley, F., & Co., Leinster Ter., Lancaster Gate, W.
Foxley, G., & Son, 26 King St., Regent St., W.
Franklin, S., & Son, North Pole Rd., St. Quintin's Park, W.
Freeman & Barber, 4 Ivy Rd., Cricklewood, N.W.
Friggins Bros., Weston St., Bermondsey, S.E.
Fulcher, E., 33 High St., Plaistow, E.

FORD & WALTON, Ltd.
Builders and Contractors,
242, High Road, Kilburn.
LONDON, N.W.
Telephone, 299 Paddington.

List of Works executed:—

Car Sheds at Mill Hill Park, for the Underground Electric Railways Co., of London, Ltd.
Sub-station Chimney Shaft and Boiler House, at Golders' Green, for the Underground Electric Railways Co., of London, Ltd.
Post Office and **Sorting Office,** Earl's Court Road.
Aerated Bread Company Depot, Earl's Court Road.
Antique Furniture Premises, Earl's Court Road.
Barons' Court Station, for the District Railway Co.
Queen's Head Public House and **seven Shops** adjoining, Whitechapel.
Black Horse Hotel, Bedfordbury, on new site to make room for Coliseum.
New Lecture Hall and **Additions** to Quex Road Wesleyan Church, N.W.
Drill Hall and **Headquarters** for the 5th West Middlesex Volunteers.
Steam Laundry Premises, Child's Hill.
Shop Premises adjoining Ealing Common Station.
Restaurant, Shop Premises and **Residential Premises,** Wilton Road Victoria Station.
Rebuilding Gloucester Road Station, for the Metropolitan and District Joint Railways.
New Bank Premises for the London City and Midland Bank, Ltd., High Holborn.
New Roof over Main Line Departure Platforms, Liverpool Street Station, for the Great Eastern Railway; and others.
Windsor Court, Block of Flats, Moscow Road, for Messrs. William Whiteley, Ltd.
Shops and Flats, Wilton Road, Victoria, for the Metropolitan District Railway.
London City and Midland Bank, Willesden Green, alterations and additions.
York Road Tube Station, for the Underground Electric Railways Company.
Parochial Buildings, Hall and Club, for the Vicar of St. Martin's Church, Gospel Oak.
London City and Midland Bank, Ltd., Queen Victoria Street, additions and alterations.
Country Mansion, additions and alterations, Wykham Park, Banbury.
Kensington High Street, **Additions to Shops, etc.,** for Messrs. Derry & Toms.
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Additions and Alterations to Kenfield Hall, Canterbury, for Godfrey Samuelson, Esq.; W. J. Tapper, Esq., Architect.
New Cooling Tower at Central London Railway Depôt, Shepherd's Bush; H. F. Parshall, Esq., Engineer.
Warehouses, Factory and Offices, for Messrs. Batger and Co., Brook St., Ratcliffe, E.; E. J. Gosling, Esq., F.R.I.B.A., Architect.
Offices for Amalgamated Press, New Bridge St., E.C.; Messrs. Spalding & Spalding, Architects.
New Presbyterian Church, Harrow; W. Gillbee Scott, Esq., F.R.I.B.A., Architect.
Shops and Factories, Goldsmith Row and Dove Row, E.; Messrs. Woodrow & Helsdon, F.R.I.B.A., Architects.
Fireproof Staircases and Alterations to Wildermuth House, Whitechapel, E.; F. T. W. Goldsmith, Esq., F.R.I.B.A., Architect.
Warehouse and Offices for Messrs. Keeves & Son, Boundary St., Shoreditch; Wm. Stone, Esq., Architect.
Alterations to Ridley House, Victoria Park, for Rev. J. E. Watts, Ditchfield; Messrs. Holman & Goodrham, Architects.
Alterations to Messrs. Reeves & Son's Factory, Ashwin St., Dalston; F. T. W. Goldsmith, Esq., F.R.I.B.A., Architect.
Extensive Re-decorations and Alterations at Messrs. J. Rotheram & Co's., Shoreditch.
Alterations at The Beehive, Mare St., for Dr. Barnardo's Homes.

NEW BUILDINGS RECENTLY ERECTED:

Erection of 22 Buildings at Dr. Barnardo's Village Homes for Girls, comprising Cottages, Open-Air Sanatoriums, Hospital, Embroidery School, Water Tower, &c., including New Roads, Sewers, Water Mains, &c.; £50,000; R. H. Hill, Esq., F.R.I.B.A., Architect.
New Offices, &c., for Abbey Road and St. John's Wood Building Society, 16 Finchley Rd.; Max Clarke, Esq., F.R.I.B.A., Architect.
New Factory for Messrs. Reeves & Son, Ashwin St., Dalston; F. T. W. Goldsmith, Esq., A.R.I.B.A., Archt.
Extensions and Additions to School Buildings, Assembly Hall, &c., at Dr. Horton's Church, Lyndhurst Road, Hampstead; Messrs. Spalding & Spalding, Architects.
New Post Office and Shop adjoining at Harpenden; H. F. Mence, Esq., Architect.
Additions and Alterations at "Montrose," The Ridgway, Enfield; Messrs. Davis & Emanuel, Architects.
Reinstatement after fire of London Chamber of Commerce Offices, Oxford Court, E.C.; Messrs. Woodrow and Helsdon, F.R.I.B.A., Architects.
Re-drainage of 106 and 106A Westbourne Grove, W.; Max Clarke, Esq., F.R.I.B.A., Architect.
Alterations and Decorations at Devon Wharf, Mile End; Chas. Reilly, Esq., F.R.I.B.A., Architect.
Extension of Bartram's Convent, Hampstead; W. H. S. Styche, Architect.
Alterations to 15 Bishopsgate St., for Messrs. Anthony Gibbs & Co.; E. B. Ellis, Esq., Architect.
Block of Shops 231, 233, 235 and 237 Mare St., Hackney; C. Gordon Smith, Esq., Architect.
Alterations and Additions to "Star Laundry," Hackney Downs; John Hamilton, Esq., Architect.
Warehouse for Messrs. Clark, Hunt & Co., at Batemans' Row, Shoreditch; W. Gillbee Scott, Esq., F.R.I.B.A., Architect.
Erection of Clergy House, Surgery, &c., for the Vicar of St. James-the-Less, Victoria Park, E.; E. Hoole, Esq., Architect.
Erection of Shop and Flats, St. George's Place, Hyde Park, W.
12, 13, & 14 Barbican (after fire), for the "Lewis" Estate; E. Flint, Esq., F.R.I.B.A., Architect.
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EXTENSIVE RE-DECORATIONS AND ALTERATIONS AT:

New Offices for the London Chamber of Commerce at Oxford Court, Cannon St.
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100 Houses, Nichol's Square Estate, Hackney Rd.
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Winstanley Bros., Northenden Rd. (Joiners)

SANDBACH.
Street, W.
Stringer, J.

SEACOMBE.
Davies, J., Luke St.
Hughes, P. M., 13 Belle Vue Rd.
McGeogh, J., 84 Buchanan Rd.
Montgomery, A., Martin's Lane
Thomas, W., 22 Percy St.

STALYBRIDGE.
Chorlton, A., Knowl St.
Garside, Barns & Co., Ld., Knowl St.
Grayson, J., Knowl St.
Myles & Warner, 20 Sett St. (Chimney Shaft)
Saxon Bros., Mottram Rd.
Shaw, T. G., Acres Lane
Shuttleworth Bros., Portland Wharf
Storrs, W., Sons & Co., Ltd.

STOCKPORT.
Adkinson, W. L., Bramhall, near
Beattie, W. B., King St. West
Bardsley, H., Booth St., Edgeley
Bell, W., Portwood
Boon & Fryer, Hazel Grove, near
Boon, A., Heaton Norris
Briggs, J., Lancashire Hill
Broadhurst, J., Shaw Heath
Clayton, Bros., Poynton, near
Derbyshire, T., Chestergate (Mason)
Eadie, D., Lancashire Hill
Emerson, J., Wellington Rd., Heaton Norris
Goddard, C., Heaton Lane
Haigh, J., Albion St., Heaton Norris
Hoe, T., Canal St., Hillgate
Kitchen, S., Brinksway (Joiner)
Lane, M., Heaton Lane
Lomas, H., Mile End
Meadows, T. & W., George's Rd.
Morton, T., & Sons, All Saints' Rd., Heaton Norris
Mullaney, D., Heaton Lane
Oldham, G., Hazel Grove, near
Phillips, T., Fox St.
Pownall, W., Royal George St.
Smith, W. G. & Co., Garton Rd., Reddish
Sparrow, L., 8 Sandfold La., Reddish
Thompson & Sons, 20 Heaton Lane (Plumbers)
Vernon & Smith, Hazel Grove, near
Williamson, R., 25 Warren St.

STYAL (Manchester).
Renshaw, J.

TARPORLEY.
Parker, C., Beeston, near
Reece Bros.
Rowland, T., Duddon Lodge, near
Vernon, J., Eaton

TARVIN.
Langford, J.

TATTENHALL, Chester.
Woollams, G.

TIDESWELL, Stockport.
Hill, A. (Mason, &c.)

TIMPERLEY, near Altrincham.
Cross & Bell, Stockport Rd. (Joiners
Marston, C., & Son, Stockport Rd.

Cheshire—*continued.*

TRANMERE See Birkenhead.

WALLASEY (Liverpool).
Gourley, J., Lexard
Jones, P. H.

WEST KIRBY.
Christian, W. W., Ronaldsway
Lee, T., North Rd.

WHALEY BRIDGE.
Beard, E. A., Windsor Ter., (Joiner)
Beard, J., Market St. (Joiner, &c).
Fox & Goddard, Horwich End
Goddard, N., Kettleshulme (Joiner)
Oakes, F., & Sons, Canal St.
Proctor, J., Jun. (Joiner, &c.)

WHITLEY SUPERIOR, Northwich.
Walmsley, Frederick

WILLASTON, near Nantwich.
Gresty, J. T.
Wood, J., & Son

WILMSLOW.
Brown, L., & Sons, Station Rd.
Coates, J. K., Manchester Rd.
Mellor, S., Water Lane
Royle, A.
Royle, M., & Sons, Knutsford Rd.
Slater & Bailey, Church St.
Webb, P., Water Lane

WINSFORD.
Fowles, J., & Son, High St.
Hamlett, G., & Sons
Sergeant, H., Exors. of, Station Rd.
Wilson, J., Ways Green

Cornwall.

BLACKWATER, Scorrier, S.O.
Symons, J., & Son

BODMIN.
Bennett, W. J., St. Nicholas St.
Brown, J., Beacon Hill
Buscombe, J., & Sons, Fore St.
Grose, R., Town End
Ham, F., Castle St.
Harris, E., Fore St.
Roscorla & Son, Fore St.
Shelley, N., & Sons, Castle St.

BUDE.
Hannaford, —
Heard, R. McP. & Sons
Jeffry, —
Pethick Bros., Flexbury Park

BURYAS BRIDGE, S.O.
Hosken, J., Senr.

CALLINGTON, S.O.
Hobbs & Bartlett, River Mill

CAMBORNE.
Bennallack, T., Tuckingmill
Dellbridge, A., 5 Tehidy Rd.
Mills & Son, Wellington Rd.
Mitchell, F., 4 Tehidy Rd.
Nettle, R. D., Chapel St.
Richards, W., Tuckingmill
Rouse, J., Concrete Villa
Williams, E., 26 North Parade

CAMELFORD.
Hooper, J., Fore St.
Lobb, S., Fore St.

CARN BRAE, S.O.
Roberts, J., Pool

CHACEWATER, Scorrier, S.O.
Moyle, W. H.

CUBERT, Grampound Rd.
Chynoweth, S.
George, R. (Stonemason)
Rodliff, T.

DELABOLE, Camelford.
Blake, E., & Sons, High Rd.

DRIFT.
Hosking, J. E.
McLary, R.

DULOE, S.O.
Tamlyn, T.
White, S., Tredinnick

FALMOUTH.
Bailey & Toy, Gyllyng St.
Blight & Sons, 59 High St.
Eva, S., 17 Albany Rd.
Harvey, H., Wodehouse Ter.
Kelway, J. & G., 9 Chapel Ter.
Pye, T. J., 7 Woodland Ter.
Rogers, C. H., 7 Cambridge Ter.
Skinner, H. M., Swanpool St.
Stevens & Webb, Gyllyng St.
Williams, E., 45 Berkeley Vale

FOWEY.
Blamey, J., Victoria Place
Good, J. H., Pont, near
Hosking, J., Daglands
Isbell, J. P., North St.
Pearce, J., Bodinnick
Wellington, G., Station Rd.

HAYLE.
Coombs, E. T., Fore St., Cooper Ho.
Mitchell, F., Leedstown, near
Richards, J., Cooper House
Wearne, J. H., Commercial Rd.

HEA MOOR, S.O.
Davies, G.

HELSTON.
Eva, O., Penrose Ter.
Eva, J. O., Wendrow St.
Ivey, E., Meneage St.
Richards, J. M., Meneage St.
Winn & Son

ILLOGAN.
Burnett, W.

LANREATH, Duloe, S.O.
Pinch, P.

LAUNCESTON.
Broad, J. H., Northgate
Doidge, W., St. Thomas
Medland, E.
Sharland, E., Exeter St.
Soper & Quick

LELANT, S.O.
Glasson, T., Corbis Bay

LISKEARD.
Lang, J. C.
Runnalls & Elliott, Barn St.
Trehane, S., Fore St.

LIZARD.
Tiddy, J. M.

LOOE, S.O.
Hickey, R., West Looe
Whale, R., East Looe

LOSTWITHIEL.
Basset, W. T., Parade
Bennett, M., Parade
Brown, H. T., North St.
Quiller, W., Quay
Rundle, J., King St
Rouse, F. W., Lanlivery
Stephens, F., North St.

MADRON, S.O.
Leggo, J.

MARAZION.
Harris, W. G., Fore St.
Miners, G.
Miners, J., Fore St.
Rowe, W. G., Canute Villa, Fore St.

MAWGAN-IN-MENEAGE, Helston.
Cook, J.

MOUSEHOLE.
Rowe, J. F.
Tregenza, J.

NEWQUAY.
Bellingham, C. R., Fore St.
Carne & Trenerry, Tower Rd.
Carrivick & Furse, Tower Rd.
Carrivick, E. T., Spion Kop
Clark, G., Marker's Hill
Clemens, R. J., Tower Rd.
Ennor, J., Senr.
Jenkin, H. J., Jubilee St.
Trebilcock, J., Bay View Terrace
Vivian, J., Tower St.

NEWLYN.
Harvey, T. J., St. Peter's Hill
Peake, J. & H., Tolearne
Richards, C. M.
White, J. & J., Alma House

PADSTOW, S.O.
Champion, H.
Derrick, W.

PAR GREEN, Par Station, S.O.
Bartlett, R.
Dunn, J. T.

PAR STATION, S.O.
Mabley, F. J.

PELYNT, Duloe, S.O.
Wakeham, G.

Cornwall—*continued.*

PENRYN.
Bennett, W. H., Market St.
Bunny, A., Lower Market St. (mason)
Bullen, J., Helston Rd. (joiner)
Legassick, J., New St.
Pinch, W., Commercial Rd. (mason)
Preston, J., Broad St. (joiner)
Richards, W., Chapel Lane (joiner)
Rickard, T. & Son, 6 West End

PENZANCE.
Burnett, J., & Son, 9 Penare Ter.
Carne, H., 30 Clarence St.
Downing, J., Belle Vue Terrace
Ford, W., & Son, 42 Belgravia St.
Inch, W., Regent Sq.
James, J., Victoria Place.
Nicholas, J., Belle Vue Terrace
Nicholas, S., & Son, 18 Belgravia St.
Perkins, Caldwell & Caldwell
Pidwell, E., Greenbank Terrace
Trounson, W. H., Tolver Place
Trythall, A. & W.
Walters, R., 14 Clarence St.
White, S. E., Park Corner

PORT ISAAC, Wadebridge, S.O.
Lobb, R., & Sons

PRAZE, Camborne.
Cara & Edwards

REDRUTH.
Carkeek, A.
Gray, C., Heanton Terrace
Gray, J.
Gray, W. H., Barncoose Terrace
Hancock, T. H., Cardrew Terrace
Hodge, W. C., Clinton Rd.
Jacob, R., South Gate St.
Martin, T., Basset St.
Nicholls, A., & Son, West End
Odgers, J., Clinton Rd.
Opie, T.
Salter, E., 24 West End
Tamblyn, W. E.
Tiddy, J., Lanner

ST. AUSTELL.
Allen, H., Bugle
Bunt, J., Grant's Walk
Gerry, J., Bugle
Jacob, J. T., Weston House (Mason)
Knight, J., & Son, 14 High Cross St.
Lakeman, J. F., 29 Grant's Walk
Nile, A. J., Polkyth
Northcoat, —.
Rickard, A., Nanpean
Sanders & Son, High Cross St (Masons)
Smith, T. J., 32 Fore Street
Smith, W. H., Bodmin Rd
Warne Bros., Bugle

ST. BLAZEY, Par Station, S.O.
Bounsall, E. C., Station Rd.
Bunney, T., St. Blazey Gate
Lewis, A., Station Rd.
Oliver, N., Fore St.
Pearce, N., Fore St.
Rowe, W., Station Rd.

ST. BURYAN.
Lugg, J.

ST. COLUMB MAJOR.
Bond, T.
Jenkins, H., Trekenning
Martin, W. H.
Pearce, S. G.

ST. COLUMB MINOR.
Benney, H. I.
Tinney Bros.

ST. IVES.
Toy, R., St. Andrew's St.

ST. JUST.
Marks, W.
Roberts, R. H., Bank Sq.

ST. KEW, Wadebridge, S.O.
Brady, N., Highway
Cowling, T., & Son, Pendoggett

ST. MABYN, S.O.
Hamley, A. (Mason)
Kelly, T.

ST. MINVER, Wadebridge, S.O.
Male, J. (Mason)
Martyn, J.

ST. NEOT, Liskeard.
Hamley Bros., Milltowr
Henwood, J., Ley

ST. STEPHEN'S-in-Branwell.
Best, W.
Clemens, F.
Gilbert, F. G.
Richards, T. J., Coombe
Rickard, J.
Smyth, H. & W. H., Coombe
Walters, T., Terras

ST. TEATH, Camelford
Teague, E.

ST. TUDY, S.O.
Hooper, J.
Worth, A.

SALTASH.
Alford, F., Fore St.
Brooking, J., Harbour View Ter.
Ough, S. E. D., Southville
Rothery, W. H., Home Park

SOUTH PETHERWIN, near Launceston.
Oliver, R.
Strike, J. & W.

TREGONY, Grampound Road.
Tonkin, R. H.

TRURO.
Battershill, T., Lemon St.
Clemens, M., 12 High Cross
Colliver, J., Carvoza Rd.
Harris, C. & J., Kenwyn St.
Higgins, J., Kenwyn St.
Lobb, W. H. & Son, St. Austell St.
Nicholls, W., River St.
Parkin, J. F., Parkin Terrace
Tippet, H., Lemon St.

TYWARDREATH, Par Station, S.O.
Hewitt, W. H., Lostwithiel St.
Johns, W., North St.
Mitchell, J. H., North St.
Rundell, J., North St.

WADEBRIDGE.
Goodfellow, J.
Lobb, J.
Pascoe, M. (Mason)
Williams, T.

WARBSTOW, Egloskerry, S.O.
Squire, R.

Cumberland.

ASPATRIA, S.O.
Davidson, J., & Son

BRAMPTON.
Milburn & Son (Plumbers)
Penfold, H. & Son (Painters, &c.)

CARLISLE.
Anderson, W., West Walls (Plumber)
Armstrong, D., Finkle St. (Slater)
Atkinson, H., Castle St. (Plumber)
Ballantine, W. N., 10 Lonsdale St. (Painter)
Batey, W., The Crescent (Joiner)
Batey, W., Junr., Henry St. (Plumber)
Baty, W., West Walls
Baty, J., & Sons, St. Nicholas
Beaty Bros., Long Island, James St.
Beaty, J., 7 Old Post Office Court
Bell, J., Crown St. (Joiner)
Bell, J. & R., Nelson St.
Black, G., Lorne St. (Joiner)
Black, R., & Sons, West Walls (Joiners)
Blain, J., Blackfriars St. (Plumber)
Creighton, T., Albert St.
Denard, J., Lowther St. (Painter)
Ferguson & Co. (Plasterers, &c.)
Gordan & Logan, Long Island, James St.
Graham & Crawford, Wilson's Court, Castle St. (Plumbers)
Harrington, J., E. Nelson St. (Plstr.)
Hetherington, T. B., Henry St. (Plbr.)
Hewitt, J. & Sons, 42 South St. (Joiners)
Hewitson, J., St. Nicholas St. (Slater)
Hill, E. J., St. Nicholas
Hill, G., & Sons, South Henry St.
Hill, R. M., & Sons, Castle St. (Plbrs.)
Hindson, J., Finkle St.
Hindson, P., Currock Rd.
Hope & Heward, W. Tower St. (Jnrs.)
Johnstone Bros., 1 Blencowe St.
Kellett, J. T., 2 Alton St. (Slater)
Kirk, R. S., Warwick Rd. (Painter)
Laing, J. & Son, Milbourne St.
Laing, W., Murrell Hill
Latimer, W., Victoria Viaduct (Jnr.)
Liddle, C., West Tower St. (Joiner)

Cumberland—*continued.*

Ling & Mark, Charlotte St. (Pntrs.)
Little, J., Denton Holme (Joiner)
Little, J., 30 Bridge St. (Joiner)
Little, R., Norfolk Rd.
Martin, W., 35A Rickergate (Joiner)
Musgrave, E. M., Court St. (Joiner)
Nelson, T., & Son, 133 Botchergate (Painters)
Nixon, T. & J., Nook St. (Joiners)
Ormerod & Son, Close St. (Plasterers)
Pape & Simpson, Charlotte St. (Jnrs.)
Pearson, J., Lowther St. (Painter)
Plaskett, J., Albert St.
Reed, J., Edward St. (Joiner)
Reeves, H., Stanwix
Scott, T., Stanwix (Joiner)
Sowerby, T. (R.P.), King's Arms La.
Stephenson, W., & Co., 6 Paternoster Row (Painters)
Taylor, J., Charlotte St. (Plumber)
Thompson, —, Warwick Rd. (Pntr.)
Thomson, D. & Sons (R.P.), Barwise Court, English St.
Ward, —, Kingstown Rd
Watson, T., Lowther St. (Painter)
Westray, R., 40 Lowther St. (Painter)
Wilson & Faulder, Denton St. (Plbrs.)
Wilson, W. J. (R.P.), 38 Lowther St.

COCKERMOUTH.
Lister, MacCartney & Lister, 5 Henry St. (Masons)
Robinson, P., Main St. (& Joiner)
Walker Bros.

DISTINGTON.
Harrison, J., Main St.

EGREMONT.
Ellbeck, H., Main St.
Smith, J., Main St.

GOSFORTH, via Carnforth.
Tyson, J.

HARRINGTON.
Ferguson, L.
Killip, H., Church Rd.
Shackley, J., Ellervale

HEADS NOOK, Carlisle.
Wright, W.

HESKET.
Armstrong, J.

KESWICK.
Cowperthwaite, W., Victoria St.
Hodgson, H., 24 Stougor St.
Hodgson, T., & Son, 25 Blencathra St.
Milburn, J., & Sons (Joiners)

KIRKOSWALD.
Watson, T.

MARYPORT.
Bell, J., Senhouse St.
Edmonson, G., Kirkby St.
Ferguson, T., Wood St.
Gordon, J., Senhouse St. (Painter)
Graham, E., Wood St. (Plumber)
Kendal, J., 37 Wood St.
Kirk, T., Netherton (Plasterer)
M'Kay, J., Senhouse St. (Painter)
Mackenzie, T., Gavel St. (Painter)
Mandle, T., South Quay
Marlow, J. H., North Quay
Marshall, W., Station St.
Skelton, T., John St. (Plumber)
Smith, W., Camp St.
Thompson Bros. (Plumbers)

MILLOM, via Carnforth.
Bloomfield, A. W., Lapstone Rd.
Bradley, R. G. W.
Bradley, T.
Bradley, Wm.
Dawson, J., Haverigg
Gawne, J. (Joiner)
Mandall, W. (Plumber & Painter)
Miles, Wm. (Painter)
Richardson, W.
Taylor, A. J. (Painter)
Thompson, J. W. (Painter)
Wilson, G. W., Haverigg

MOOR ROW, S.O.
Chapple & Sons

PENRITH.
Bailey, J., Sandgate (Slater)
Brown, G., Lowther St. (Joiner)
Carruthers, G., Sandgate (Plumber)
Dixon, G., Elm Ter. (Mason)
Dixon & Gardner, York St. (Masons)
Dixon, J. (R.P.), Sandgate
Forrester, W., Mill St. (Mason)
Grisenthwaite, W., Lowther St. (Msn.)
Jackson, J., & Sons (R.P.), 33 & 34 Sandgate
Lewthwaite, J., Newton Reigney
McDonald, J., Graham St. (Mason)
Moor, J., & Son, Old London Rd. (Jnrs.)
Purdie, J., Queen St. (Plumber)
Richardson, J., & Son, Elm Grove, Brunswick Rd. (Joiners)
Sarginson, J., Eamont Bdge. (Joiner)
Scott, J. (R.P.) & W., Corney Place
Smiley, G., 10 Crown Sq. (Plumber)

PLUMPTON, Penrith.
Lowthian, T. (Mason)

SANTON BRIDGE, Holmrook, S.O.
Crispin, P.

SILLOTH, Carlisle.
Longeake, R.

WETHERAL.
Fisher, E. (Mason)
Ingreson, W. (Plumber)
Lawson, T. (Joiner)
Milburn, J.
Roper, J. (Mason)

WHITEHAVEN.
Anderson, A. & T. H.
Burns, H., Duke St. (Plumber)
Davidson, R., Parton
Glaister, J., High Church St.
Jackson, R., 10 Fox Lane (Joiner)
Kitchen, H., Corkickle
Metcalf, R. D., George St.
Moorehouse, E., Tangier St.
Strathern, W., King St. (Plumber)
Walker, J., & Son, Tangier St.

WIGTON.
Nicholson, G. (Plasterer)

WORKINGTON.
Brown Bros., Harrington Rd.
Carruthers, J., St. John's Court
Chambers, J. H., Fisher St.
Douglass, W. R., John St.
Fletcher, W., Havelock Rd. (Joiner)
Hawkins, H. J., Washington St.
Hodgson, R. & H.
Hyde, B., Peter St.
Johnston, T., Corporation Rd.
Mann, G., John St.
Roper, J., Westfield
Steel, J., Queen St.
Wilkinson & Miller, Peter St.
Wilson, J. I., & Co., 50 Brayton St.

Derbyshire.

ALFRETON.
Roe, J., Senr., King St.
Wilson, S., Hilcote, near (Joiner)

ALVASTON, Derby.
Armitage, H. G., 1129 London Rd (Plumber)
Kelham, T., Brighton Rd.
Raynes, W. R., Commerce St. (Painter)
Smith, L., London Rd. (Joiner)
Smith, W., London Rd. (Joiner)
Sutton, T. H., & Co., London Rd.
Wormleighton, E. (Joiner)

ASHBOURNE.
Bassett, J. T., Hartington
Coates, R.
Woolley, T., Hulland Ward, near

ASHFORD, Bakewell.
Wilson, Cox & Sons

ASHOVER.
Hopkinson, Bros.
Hopkinson, R., Miltown
Hopkinson, J.

BAKEWELL.
Allsop, T., & Son, Castle St.
Bramwell, W. (Mason)
Broomhead, Mrs. M. (Plumber)
Frost, W. S. (Painter)
Mettam, J. W. & J. (Joiners)
Roberts, F. (Plumber)
Sellors, J., & Son (Slaters)
Sellors, H. & W. (Slaters)
Sheppard, W. (Painter)
Skevington, H., & Sons (Painters)
Smith, R. (Joiner)

Derbyshire—*continued.*

BAMFORD (Sheffield).
Marsden, R., Mytham Bridge

BARLOW.
Boler, H.
Margereson, G.
Wright, J.

BASLOW.
Sheldon, G. (Mason)
Staley, S., & Sons (Joiners)

BEIGHTON (Sheffield.)
Staveley, T.
Waller, G.

BELPER.
Brown, L., Derby Rd.
Haynes, J. W., Strutt St.
Wheeldon Bros., Cluster Bldgs.

BIRCHVALE (near (Stockport).
Hudson, J.

BOLSOVER.
Antcliffe, C.
Crosby, J.
Cuttles & Hughes
Handby, J.
Haynes, G.
Tradewell, G.

BONSALL.
Axe, A., Manor House
Kirkland, C.

BORROWASH.
Brennan, J.
Clifford, J. S., Nottingham Rd.

BRAMPTON.
(*See Chesterfield.*)

BRASSINGTON, Wirksworth.
Knowles, J., & Son

BRIMINGTON, Chesterfield.
Fox, J., & Son
Jephson, W.

BUGSWORTH (near Stockport).
Robinson, J.

BUXTON.
Bagshaw, G. J., & Son, Heath St.
Bennett, M., Burbage
Booth, F. W., Lightwood Rd.
Brindley, I., Hogshaw
Brocklehurst, G., South St.
Brown, E., Bridge St.
Brown, J. M., Bridge St.
Gill, J., Brown Edge, Fairfield
Harrison, J., Market St.
Holmes, J. H., & Sons, South St.
Hinch & Bennett, Hogshaw
Jones, J., West St.
Mortin, J., South St.
Oakes, A. & E., 9 Compton Rd.
Oldfield, G., & Son, West St.
Robinson Bros., Hollins St.
Salt, J., Market St.
Wall, A. W., Queen's Rd., Fairfield

CHAPEL-EN-LE-FRITH (Stockport).
Hamer, S., Chinley
Lowe, J., Buxton Rd. (Joiner)
Simpson, M., Back Lane (Mason)

CHESTERFIELD.
Bateman, W. W., Fairfield Rd.
Coates, C., New Brampton
Collis, J., & Sons, Salter Gate
Dakin, J. R. & Son, Ashgate Rd.
Forrest, W., Station Rd.
Hardy, I. & Son, 80 Saltergate
Hattersley, E., Brampton
Henstock, J., Wheeldon Lane
Holmes, R. & Sons, Sheffield Rd.
Hudson, T., Salter Gate
Lee & Kirk, Foljamb Rd.
Margereson, W. H., Stonegravels
Marsden Bros., Old Rd.
Rhodes, A., Brampton
Rhodes, W., Chatsworth Rd.
Rollinson, C., Salter Gate
Walker, S., St. Mary's Gate
Wheatcroft, T., Walton Rd.
Wright, I., 51 Rutland Rd.

CLAY CROSS.
Flavell, I., Market St.
Griffin, G., Market St.
Jones R., Holmgate Rd. (Plumber)
Tinkler, E., Thanet St.

CODNOR, Derby.
Eyre Bros.

CRICH, Matlock Bath.
Haynes, J.

CUTTHORPE, Chesterfield.
Nicholls, C. E.

DARLEY, Matlock Bath.
Vaines, J., Darley Dale

DERBY.
Bakewell, H., Normanton Rd.
Beeson, J., Darley Lane
Beeson, J. H., 76 Woods Lane
Brown, A., Gt. Northern Rd.
Brown, I., 13 Upper Madeley St.
Carson, G., Elton
Chapman, J. W., St. Thomas's Rd.
Chattle, H., Empress Rd.
Dean & Co., Gerard St.
Dickinson, J., Ashbourne Rd.
Durant, G., Grange St.
Edwards, W., Peet St.
Fisher & Son, Mansfield Rd.
Ford J. K., Osmaston Rd.
Ford, W. & Sons, Victoria St.
Liggins, W., Forester St.
Lomas, R. G., 37 King St. (Ecclesiastical Carver)
Morley, E., Gerard St.
Mosedale Bros., 6 Arthur St.
Mosley, S., Richmond Rd.
Parker & Cooper, King Alfred St.
Parker, J., & Son, 70 Friar Gate
Peach, G., 177 Mansfield Rd.
Radford & Greaves, Drewery Lane
Smith, A., 7 Gordon St.
Smith, G., Kedleston Rd.
Tomlinson, G. F., City Rd. (Road & Sewerage Contractor)
Tomlinson, J. T., & Co., Belgrave St.
Tomlinson, J., Ashbourne Rd. (Railway Contractor)
Vernon, H., 159 Drewery Lane
Vernon, J., Mansfield Rd.
Wagg, G., Pear Tree Rd.
Walker & Slater, Uttoxeter Old Rd.
Walkerdine, W., Bridge St.
Weston, & Son, Leacroft Rd.
Wood, E., & Sons, Park St.
Young, J., Walbrook Rd.

DORE (Sheffield).
Fletcher, J.
Marsden, Joseph

DRONFIELD (Sheffield).
Bingham, R., Snape Hill
Davidson, R., & Sons
Fletcher, W. H., High St. (Plumber)
Margerrison, F., Chesterfield Rd.
Margerrison, T., & Sons, Green Lane
Oates, T., Quoit Green (Joiner)
Smelt Bros., Snape Hill (Joiners)

DUFFIELD.
Bates, J. (Joiner)
Hingley, A.
Kent, H. (Joiner)

ECKINGTON (Rotherham).
Fidler, J., Ltd.
Levick, C.
Lund & Swan
Taylor, T.

EDALE.
Rowbottom & Sons

ETWALL, Derby.
Goodwin, R.

GLOSSOP.
Bowden, W. H., Howard St.
Charlesworth, W., High St. W.
Garside, C., & Sons, Ltd., Surrey St.
Goddard, S., The Ashes

GREATLONGSTONE, Bakewell.
Eyre, A. W. J.

HASLAND.
Brailsford, S., Hady
Brown, D. & J.
Hoole, J.
Randall, W.

HATHERSAGE.
Wilson Bros.

HAYFIELD (near Stockport).
Mason, E.

HILLSTOWN, Bolsover.
Oakey, H.

HOLLOWAY, Matlock Bath.
Clayton, R.

HOLY MOORSIDE, Chesterfield.
Needham, W.

HORSLEYWOODHOUSE, near Derby.
Booth, A. (Joiner)
Walters, F. (Joiner)

IDRIDGEHAY, Derby.
Stevenson, J.

ILKESTON, S.O.
Beardsley, J. N., North Gate St.
Clayton, E. L., Drummond Rd.

Derbyshire—*continued.*

Earnshaw, A., East St.
Hazelwood & Marson, Albert St.
Ireson, W. V., 5 East St.
Page, E., Park Drive
Richards, W., Cotmanhay Rd.
Roberts, D., Nottingham Rd.
Woollands, A., Manor Rd.

KIRK IRETON, Derby.
Doxey, W.
Sherwin, S.

KIRKLANGLEY.
Cooper, G.

LITTLE EATON, near Derby.
Bates, R. A.

LONG EATON, S.O.
Brown, J., & Son, Waverley St.
Bull, J., Sawley Rd.
Perks, F., & Son, Ltd., Bridge St.
Warren & Stevens, Oxford St.
Youngman, T. W., Craig St.

MARLPOOT, Derby.
Oldershaw, G., Ilkeston Rd.

MATLOCK.
Antliff Bros., M. Bank
Ballington, H., M. Bank (& Joiner)
Bannister, J., M. Bank (Plumber)
Boden, W., M. Bridge (Mason)
Dawes, T., M. Green
Farnsworth, W. & Son, Cromford, M. Bath
Hall & Co., Dale Road, M. Bridge (Plumbers)
Higton, F., Cromford, M. Bath
Holmes, W., M. (Joiner)
Hopkinson, F., M. Bank (& Slater)
Keeling, A., M., Bridge (Plumber)
Kirkland, W., M. Bridge (Plumber)
Knowles, G., M. Bank
Lewis, J., M. Bank
Slater, F., M. Bank (Plumber)
Wildgoose, J. W., M. Bank

MELBOURNE, near Derby.
Barton, W.

MOSBOROUGH, Chesterfield.
Drabble, J., High St.

NEWBOLD.
Alderson, Newbold Moor (Joiner)
Ellis, S., Newbold Moor (& Joiner)

NEWHALL, Burton-on-Trent.
Earp, E. S., High St.

NEW MILLS (via Stockport).
Boyle, S. & D., High Lee Rd.
Hudson, J. & Sons, Low Leighton
Scattergood J. T. & Sons, Hurst Field Saw Mills
Stafford, T. W., Chapel St.

NORBURY, Ashbourne.
Thorley, W.

NORTON (see Sheffield).

PILSLEY, near Clay Cross.
Reeves, H. (Joiner)
Rouse, C. A.
Spencer, G.

REPTON (Burton-on-Trent).
Dolman & Sanders

RIDDINGS, Alfreton.
Brentnall, A. C.

RIPLEY, near Derby.
Clower, W. & Sons
Gee, S.
Harris & Hunt, Marehay
Harris, W., Marehay
Norman, W., Marehay
Salt Bros.

SANDIACRE.
Bailey, W., Hill Top, Derby Rd.
Bastable, G., Derby Rd.
Long, F., Derby Rd.

SOUTH WINGFIELD, Alfreton.
Truman, R.

SPONDON, near Derby.
Kirkland, A.
Meakin, E.

STANTON-BY-DALE (Nottingham).
Brown, R.

STAVELEY, near Chesterfield.
Spiby & Booth
Stone, S., & Sons

SWADLINCOTE (Burton-on-Trent).
Dowler, W., Regent St.
Venning, C., Coppice Side
Ward, W., Market Place

TANSLEY, Matlock.
Dawes, T.

TIBSHELF, Alfreton.
Richards, T. W. (Joiner)
Smith, J (& Joiner)

TIDESWELL, Buxton.
Brightmore, R. (Mason)
Hill, A., & Bro., Litton
Lomas, R. (Joiner)

TOTLEY (Sheffield).
Hattersley, R.

TUPTON, Chesterfield.
Berry, H., New Tupton
Davenport Bros. ,, ,,
Madin, J. ,, ,,

TURNDITCH, near Derby.
Clark, C.

WEST HALLAM, near Derby.
Brough, W.
Daykin, H.

WHITTINGTON, Chesterfield.
Ditcher, —., Whittington Moor (& Joiner)
Marsden, G., Whittington Moor (Roads and Sewage)
Scott, T. Whittington Moor
Sims, J., New Whittington
Wain, J., & Sons, Whittington Moor

WHITWELL (Mansfield).
Brown, G., Hodthorpe
Jackson, J.
Moyser, W., Hodthorpe

WINGFIELD, NORTH, Chesterfield.
Beighton & Berry, Hepthorne Lane

WINSTER, Derby.
Carson, G.
Heathcote, W., & Sons

WIRKSWORTH.
Baker, J. C. T., Derby Rd.
Clark, W., Ecclesbourne Ter.
Fox, W., North End
Gallimore, J., & Son, West End
Smith, J., Bolehill
Walker, J., & Sons, North End
Walker, J., Bolehill

YOULGRAVE, Bakewell.
Toft, G. & W.

Devonshire.

ASHBURTON.
Almond, H. J.
Foaden, J. H., Sparnham

ASHWATER, Beaworthy.
Biddlecombe & Clifton
Northcott, J.

AVETON-GIFFORD.
Steere Bros. (Masons)

AXMINSTER.
Clarke, J. F., Market Sq.
Cloud, G., South St.
Parsons, W. B., South St.

BARNSTAPLE.
Barwick, T., Fort St.
Bryant & Son, Bear St. Rd.
Burgess, H., 45 Bear St.
Cater, J. & Son, Victoria St.
Cooke & Sons, Bear St.
Gammon Bros., Vicarage Lawn, Derby
Garland, C., Higher Maudlin St.
Garland, G., Vicarage St.
Garland, W., & Sons, Boutport St.
Hancock, G., Hill's View
Karslake, E., Bear St.
Pearce Bros., Newport
Ridge, R., Strand
Sillifant, H. & Sons, Fort St.
Slee, W., Bear St.
Thorne, J., Bear St.
Tucker, Bros., Yeo Vale
Wakley, J. Gloucester Rd.
Woolaway & Sons, Sticklepath Ter.

BEER, near Seaton.
Perkins, J.

Devonshire—*continued.*

BIDEFORD.
Adams & Paddon, 13 Chingswell St.
Cock, J., Church Walk
Ellis, E., & Son, 47 Mill St.
Fulford, W. L., & Son, Honestone St.
Glover, H., Abbotsham Road
Harding, G., Cold Harbour
Joint, W., Honestone St.
Lamerton, J. & V. Cock, High St.
Shadwick, W., Lime Grove
Woolaway & Sons, East the Water

BISHOP'S TAWTON, Barnstaple.
Morrish, J.

BOVEY TRACEY, S.O.
Cleave, A., Fore St.
Mardon, W. J. T. (R.P.)
Turner, J., Station Rd.
Winson, J., Fore St.

BRADNINCH, Cullompton.
Nix Bros.

BRAUNTON.
Brimley & Sons

BRIXHAM.
Cooksley, G., New Rd.
Hazlewood Bros., Bolton St.

BROADCLYST, Exeter.
Fisher, G.

BUCKFASTLEIGH.
Arscott, G., Plymouth Rd.
Furneaux, S., Silver St.
Jackson & Son, Jordan St.

BUDLEIGH SALTERTON.
Barnes, J., Pebble Lane
Bennett, G., High St.
Burch, E. O.
Palmer, J. C., 9 High St.

BURLESCOMBE.
Frost, W.

CHAGFORD.
Aggett, W., & Sons
Brimblecombe, G., New St.
Collins, J., Monte Rosa
Dawson, J., Mill St.
Painter, C. H. & W. S. (Masons)
Rice, R., & Son, New St.
Stone, W., & Sons, The Quarries
Underhill, R. D. & J., Lower St.

CHERITON BISHOP, Exeter.
Harvey, H., Royal Oak

CLOVELLY, Bideford.
Davey, W.
Paddon, R.

CLYST HYDON, Exeter.
Harris, E.

CLYST ST. GEORGE, Topsham.
Steer, J. L. & H.

CLYST ST. MARY, Exeter.
Pratt, A.

COMBE MARTIN, S.O.
Burgess, J.
Goss, R. & Sons
Latham, W.
Lovering, R.
Sanders, W.

CREDITON.
Berry, W. B.
Brooke, J. S., 4 Union Rd.
Dart & Francis, High St.
Heath, W. H., Union Rd.
Jones, T., High St.

CULLOMPTON.
Chick, H., Willand
Incledon, J., New St.
Labdon, E., & Sons, 1 Fore St.
Manning, J., Exeter Hill

DARTMOUTH.
Back, J., Charles St.
Pillar, R., South Town
Voicey, F. J., Fairview Rd.
Watts, R., Victoria St.

DAWLISH.
Cox, Bros., Weech
Friend, F., High St.
Lamacraft, J. H. G., & Sons
Shapter, T. & F. H., Brook St.

DEVONPORT.
Allen & Tozer, 33 Maurice Park St. Budeaux
Crockerell, J., Richmond Walk
Healy, J., 33 Princes St.
Heard, A. J., Chapel St.
Jackson, Sir John, Keyham Extension Works
Jenkin, T., & Son, Marlboro' Works
Littleton, W., & Son, 44 Garden St., Morice Town
Matcham & Co., Ltd., Naval Barracks Extension
Pearce Bros., 11 Alma Rd.
Screech, F., Granby St.
Smith, G. H., & Son, 7 Tavistock Rd., Stoke
Stanbury, F. J., St. Levan's Rd.
Veale, D., Chapel St.

DOLTON.
Halls, S., & Son

EXETER.
Baker, G., & Sons, 1 Leighton Ter.
Baker, W., College Avenue
Blatchford, J., 19 Cleveland St., St. Thomas
Bradbeer & Sons, 144A Sidwell St.
Brealey, W., 163 Cowick St., St Thomas
Bunclark & Stephens, 26 Paris St.
Coles, W. G., 1 Devonia Terrace Alphington
Diggines, G., Roberts Rd.
Evelcigh, A. E., St. David's Hill
Gibbard, J. R. & Son, Old Tiverton Rd.
Ham & Passmore, 17 Sidwell St.
Herbert, G., 24 Bartholomew St., W.
Hicks, W. H., Union Rd.

Telegrams:
"Luscombe, Builder, Exeter.

Telephone:
290 Exeter.

LUSCOMBE and . . SON, Ltd.

(Established 1862).

Ecclesiastical & General BUILDERS,

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AND AT
Amberley Road, Maida Hill, London, W.

Mills, H. M., 44 Paris St.
Mitchell, G., 16 Paris St.
Mudge, E., 25 Catherine St.
Oliver, W. H., & Sons, Alphington St., St. Thomas
Popman & Sons, Belgrave Rd.
Reynolds, C. F. & E., 25 Bath Rd.
Saunders & Biss, Howell Rd.
Setter, G., Oakhampton Place
Sleeman, M. T., 51 Summerland St.
Smale, L., 1 Topsham Rd.
Stephens & Son, Ld., 116 Fore St.
Stile, G. L., & Son, Summerland St.
Stocker, J., 66 Cowick St., St. Thos.
Triggs, J., 38 Summerland St.
Wescott, Austin & White, Summerland Crescent
Wheaton, —., Priory Rd., Heavitree
Woodman & Son, Bartholomew St.

EXMINSTER, Exeter.
Manley, G.
Reddaway, W.

EXMOUTH.
Abell, T., 8 Rolle St.
Carter, F. E., 1 Johnson's Place
Cooper & Son, Rolle St.
Dart, H., Meadow St.
Grace, F., Manchester St.
Hayman, A., Chapel St.
Hooper, G., Victoria St.
Hooper & Stooke, Raleigh Ter.
Perry, W. H., 18 Morton Rd.
Ponsford, R. B., Exeter Rd.

HALWILL, Lifton, S.O.
White, M.

HARTLAND, Bideford.
Cann, S.

HATHERLEIGH.
Heard, J., Hall Court
Hooper, R., Bridge St.
Petherick, S., High St.

HOLSWORTHY.
Beckley, R., Crimpa, St. Pancrass Week
Beckley, W., Church St.
Wiffin, W., Station Rd.

HONITON.
Berry, W. T., High St.
Pope & Son, High St.
Turner, H.

Devonshire—*continued.*

HORRABRIDGE, S.O.
Toop, H. W., & Sons

ILFRACOMBE.
Gammon, G., & Son, 90 Chambercombe Rd.
Goss, J. R., 30 Oxford Grove
Knill, T. B., 6 Oxford Grove
Pearce, W., 3 Wilder Rd.
Pickett, R., 71 Fore St.
Reed, F. J., 30 Green Close Rd.
Reed, G. H., 3 Sandringham
Scamp, G., Church St.
Smith, W. B., Bickliscombe Rd.
Underhill, W., Northfield Cottages
Upton, T.
Vickery, W. J., Wilder Rd.

INSTOW.
Lock, T., Black Lane
Pidler, J. D., Lane End
Yeo, H., Marsh Cottages

IVYBRIDGE.
Andrews, G., Park House
Sincock & Blight, Costly St.

KENNFORD, Exeter.
Page Bros.
Mayne, E.

KENTISBEARE.
Goff, C., Gudisford

KINGSBRIDGE.
Chapman, F., West Alvington
Clements, T., Chillington
Farr Bros., West Alvington
Head, C., Brooke House
Kelland, W. H., Ebrington St.
Luckraft, J., Avetongiffard
Nunn, J., Church St., Dodbrook
Pearce, E., Fore St.
Perrott, J., Phœnix Pl., Fore St.
Rhymes, J. W., Chillington
Veale, R., W. Alvington Hill
Wingate, H., Belle Vue Rd.

KINGSTEIGNTON.
Yeoman, A. P., Chudleigh Rd.

KINGSWEAR.
Short, J. H., Burham Rd.
Short, J.

LANDKEY NEWLAND, Barnstaple.
Southwood, J.

LIFTON, S.O.
Rich, H., Cawdron Cottage
Rich, H. & J., Tinbay

LYDFORD, Bridestowe, S.O.
Bickle, W.

LYMPSTONE, Exeter.
Vedman, E. G.

LYNTON, Barnstaple.
Jones Bros.

MONKLEIGH.
Beer, T. & Son

MORTON HAMPSTEAD, Newton Abbot.
Blackmore, A., Courtlands

NEWTON ABBOT.
Bearne, L., Highweek St.
Hicks, G., Abbotsbury.
Mills, H., 64 Queen St.
Parker Bros., 12 Courtenay St.
Sampson, A., 89 Queen St.
Stacey, F. A., The Avenue
Stevens, Bros. 46 Courtenay St.
Stokes, J. J., Keyberry Rd.
Zeally, F. J., Powderham Rd.

NORTHAM, Bideford.
Goss, J. G.
Cook, T.
Lock, J.

OKEHAMPTON.
Ball, W., East St.
Geen, H.
Harris, H., Sharphill
Harris, M., Castleford
Sleeman, J., Kempley Rd.
Worden & Sons, West St.

OTTERY ST. MARY.
Carnell, E.
Channa, W.
Luxton, W., & Son, Tip Hill.
Williams, F.

PAIGNTON.
Drew, C. & R. E., Totnes Rd.
Drew H., Conway Rd.
Harris, R. & Sons, Hyde Rd.
Narracott, J., Stoke Gabriel
Rabbich, H. P., St. Andrew's Rd.
Webber, G., Torquay Rd.
Webber, H., & Sons, Dartmouth Rd.
Westlake, E., Palace Place

PARKHAM.
Jewell, H.

PLYMOUTH.
Andrews, A., 3 Evelyn Place
Blake, W. E., Sutton Bldg. Yard
Coles, A. N., New Town Chambers, Old Town St.
Cook Bros., Florence Ter., Embankment Rd.
Crews, T., Emma Place, Stonehouse
Duke, C. L., Plym Stone Works
Foot, I., 10 Notte St.
Gourd & Son, 3 Providence St.
Griffin, Jas., 14 Coburg Lane (War Department Contractor)
Ham, W., Elm Villa, Mannamead
Hoskin, W. G., Park Rd., Compton, near
Jillard & Son, 38 Cobourg St.
Jinkin, W. T., Endsleigh Bldg. Yard
Lapthorn & Co., 1 Clarendon Place, Citadel Rd.
Lester, E. R., 13 Whitefield Ter.
Lethbridge, A. R., & Son, Tracy Building Yard
Marshall, H. E., Hoe Gate St.
Martin, R. H., 27 Seymour Av., E.
Matcham, & Co., Ltd., Mt. Pleasant
Neal, R. H. B., Bolitho Bank Chmbrs., Princess Sq. (Public Works Contractor)
Palmer, J. H., Richmond St.
Palk & Son, 5 Hundiscombe Rd.
Palk, W., 34 Cobourg St.
Parkhouse, R. C., Flora St.
Parson & Sons, 23 King Gardens
Parson, J. W., Brunswick House
Pearce Bros., 14 Greville Rd., N.
Pearn Bros., Gilwill St.
Pethick Bros., Laira Bridge (and Railway Contractors)
Piper, F. J., Windsor Lane
Relf, R. T., & Son, 2 Portland Sq.
Richards, A. J., Mutley
Roberts, S., New Town Chmbs., Old Town St.
Shaddock, W., Bryntirion, Mutley
Shellabear, G., & Son, 27 Mutley Plain
Shepperd, J. T., 40 Richmond St.
Smith, A. R., Emma Pl., Stonehouse.
Stanlake, R., Salisbury Rd.
Taylor, F., 13 Battery St., Stonehouse
Taylor, K., 13 Frederick St. E.
Taylor, T., & Son, 6 St. Mary's St., Stonehouse
Tozer & Son, 1 Alderney Terrace, Beaumont Rd.
Truscott, F. A., 27 Mutley Rd., Mutley
Turpin, G. B., 4 Courtenay St.
Wakeham Bros., Friary Yd., Tothill

SALCOMBE.
Cranch, J. P., Rockville

SAMFORD COURTENAY, S.O.
Ash, W., & Sons

SAUNTON, Braunton, S.O.
Slee, H.

SEATON.
Abbott, H., Marine Parade
Gollop, S., Sidmouth St.
Newton & White, Seaview Terrace.
Richards, A., Beer Rd.
Richards, G.

SIDMOUTH.
Skinner, R. W. & J., Jubilee Terrace
Tucker & Sons
Turner, G., & Sons

SOUTH BRENT.
Veale, R., & Son

SOUTH MOLTON.
Sanders & Son, 119 East St.

STARCROSS, S.O.
Cole, J. B.

TAMERTON FOLIOTT, Crown Hill, S.O.
Maddock, G.

TAVISTOCK.
Higman, W. H., 7 Bank Sq.
Menhinrick & Sons, Brook St.

TAWTON, NORTH.
Ellis, S., & Sons
Fisher Bros.

TEIGNMOUTH.
Andrews, E., 18 Northumberland Pl.
Cornelius, J., 9 Ferndale Rd.
Cox, J., Salisbury Ter.
Curtis, G., Higher Brooke St.
Esworthy, —, Fore St.
Francis, C., 41 Northumberland Pl.
Hayman, G., Higher Brook St.
Hayman, J. J., & Son, 4 Holland Rd.
Lee, G., 30 Dawlish Rd.
Mortimer, C., Brook Hill
Slocombe, A. H., 4 Den Crescent
Turpin, W., Woodway Rd.

Devonshire—*continued.*

THORVERTON.
Short, J.
Westcott, J.

TIVERTON.
Deering, W., & Son, Barrington St.
Grater, J., & Sons, Silver St.
Grater, R., & Sons, 16 Townsend
Holcombe, J., 44 West Exe South
Loosemore, W., Gold St.
Manning, S., Barrington St.
Parr, J., 22 Newport St.
Perry & Son, Bolham
Physick G. C., Beck's Sq.
Taylor, F., 31 Leat St.
Tucker, A., Bolham
Tucker, A. J., 1 Ivy Ter.
Ware, H., West Exe, South

TOPSHAM.
Gould, H., Monmouth St.
Tremlett, J. Fore St.

TORQUAY.
Blatchford, S., Upton
Bovey, E. P., & Son (see Advt.)
Chubb, J., Elstow Works
Harris, A., St. Mary Church
Hawkins, S., & Son, Chelston Vale
Leaman, T., Torre Cottage
McKellar, J. W., Warren Rd.
Mumford, J., Church St., Torre
Pack, S., 7 Pilimuir Crescent
Pike, E., Hatfield Rd.
Smale, G. K., St. Mary Church
Smerdon, J., Warren Rd.
Vanstone, T., Belgrave Rd.
Watson, J. C. & W., Union St.
Wyatt, S. D., Ellacombe Ch. Rd.
Yeo, R. F. & Sons, Rock Rd.

TORRINGTON.
Bowden, T., New St.
Grant, H., South St.

TOTNES.
Brook, T., Bridgetown
Leaman & Kinsman, High St.
Reeves, J., South St.
Reeves, W., & Sons, High St.

EDWARD P. BOVEY & SON,
Contractors, Builders, and Decorators,
TORQUAY.
Works executed include:
National Provincial Bank, Torquay; C. R. Gribble, Archt., London. St. Vincent's Chapel, Torquay; Very Rev. Canon Scholes, Archt., Basingstoke. Natural History Museum, Torquay; W. Harvey, Archt., London. Central Hotel, Torquay, and St. Andrew's Schools, Paignton; E. Appleton & Son, Archts., Torquay. St. Matthew's Church, Chelston, Torquay; Nicholson & Corlette, Archts., London. 2 Lloyd's Banks, Torquay; Waller & Son, Archts., Gloucester. Mallock Memorial Clock Tower, Torquay; J. Donkin, Archt., Bournemouth. All Saints' Church (Lyte Memorial), Brixham; Micklethwaite and Summers, Archts., London.

UMBERLEIGH, S.O.
Darch, A., Yarnscombe

WESTWARD HO!
Prior, R. C.

WHIMPLE, Exeter.
Grainger, W. J.

WOODBURY, Exeter.
Pearce, J.
Phillips, A. E.
Stokes, —.

WOOLACOMBE, Morthoe.
Beer, T., & Son, Dorsetshire

Dorsetshire.

BEAMINSTER.
Chambers, B. B., Fleet St.
HANN, CHAS. & A., Prout Bridge.
Sprackling, J. G., Netherbury

BERE REGIS, Wareham.
Sheppard, F. T.

BISHOP'S CAUNDLE, Sherborne.
Penny, H.

BLANDFORD.
Archer, J. W., & Sons
Green, C. H., North Place
Hayward, G., & Son, Queen's Rd.
Norman & Sons, 16 East St.

BRIDPORT.
Bartlett & Sons, Shipton Gorge
Brooks, R. B., 46 South St.
Cooper, W. J., Fulbrooks
Hawkins, J., 68 Bradpole Rd.
Patten, T., 62 East St.
Spencer, J., Chard's Mead Rd.
Williams, R. B., Walditch

BROAD MAYNE, Dorchester.
Selby, J.

BROADWAY, Dorchester.
Spicer, C.
Strange, A.

BUCKLAND NEWTON, Dorchester.
Russell, J., & Son

CERNE ABBAS, Dorchester.
Northover, W. G.

CHARMINSTER, Dorchester.
Harvey, A.

CHICKERELL.
Raishley, W. H.

CORFE CASTLE.
Luther, T., East St.

CRANBORNE.
Coombs, T.
Vincent, J.

DORCHESTER.
Davis, R., & Son, Trinity St.
Palmer, W., Wollaston Rd.
Pickett, A. E., Dagmar Rd.
Selby, J., Broadmayne
Slade, C. E., Acland Rd.
Tilley, L., 31 Fordington Hill
Tilley, T. H., Princes St.
Watkins, W. J., Damers Rd.
Watts Bros., Fordington Green

EVERSHOT.
Conway, H.

FONTMELL MAGNA.
Edwards, G.

GILLINGHAM.
Barnes, A., The Square
Doggrell, L.

HASLEBURY BRYAN, Blandford
Hutchings, W.

KINGTON MAGNA, Gillingham.
Bricknell, H.

LONG BREDY, Dorchester.
Fry, W., & Son

LOUGHAM, Wimborne.
Froud, R.

LULWORTH, West.
Dorey, J.

LYME REGIS.
Cooper, H. T., Silver St.
Randall, H., Nuremburg House

MARNHALL, Blandford.
Wilkins, W., Church Farm

MILBORNE PORT, Sherborne.
Pitman, G., North St.
Reynolds, A., & Son

MILTON ABBAS.
George, E.

OSMINGTON.
Miller, J.

PARKSTONE.
Abbott, L. F., Wellington Rd.
Allen, E. J., Ashley Rd.
Allner, A., Commercial Rd.
Allner, R., Victoria Rd.
Baker & Pearcy, Commercial Rd.
Challis, J., Ashley Rd.
Chinchen & Co., Commercial Rd.
Crabb, E. H., Poole Rd.
Cross, W. J., Commercial Rd.
Hillman, J., Ashley Rd.

Dorsetshire—*continued.*

Lawford, C.
Newbury, J., Sea View House, Upper
Pond, C. W., Phyldon Rd., Upper
Rogers, A. E., Buckland Rd., Upper
Scott, S., Victoria Rd., Upper
Southgate, W., Poole Rd.
Whitelock, J., Lilliput
Wilson, A. & F., Sandbanks Rd.
Wilson, J. H., Britannia Rd.
Yeatman, S., Albert Rd., Upper

PIDDLETOWN, Dorchester.
Hardy, W.

PIDDLETRENTHIDE, Dorchester
Symes, S.

POOLE.
Barfoot, C., Longfleet
Best & Son, Market St.
Burt & Vick, Market St.
Crane, W. G., Victoria Rd., Longfleet
Gray, W. H., Market St.
Knight, G. F., Kingland Rd.
Rigler & Sons, Victoria Rd., Longfleet
Rigler, A., Kingston Rd., Longfleet
Rigler, J., West St.
Saunders, A. D., Longfleet
Stokes, E. J. S., Baiter
Wheeler, C., Longfleet

PORTLAND, ISLE OF.
Conway, G. J.
Lynham, R., The Straits
Patten, J., Junr., Albert Ter.

SHAFTESBURY.
Dean, R.
Hiscock & Dean
Osborne, F. W., Victoria St.

SHERBORNE.
Croft, W., Newland
Gillingham, H., Coldharbour
Guppy & Son, Bristol Rd.
Penny, L. A., Newland.

STALBRIDGE.
Curtis, R., Exors. of, Farm St.
Curtiss, S., High St.
Parsons, F., Ring St.

STOKE, East.
Dorey, G., Holner Bridge

STRATTON, Dorchester.
Shepard, A.

STURMINSTER NEWTON.
Parsons, G., Rivers Corner

SWANAGE.
Burt & Burt, Railway Depot
Hardy, H. & J., Gilbert Works
Hardy, W. M., Central Works
Linnington, G.
Parsons & Hayter, Station Rd.
Smith, F., Northbrook House

TOLLER.
Legg, G., Great Toller

UPWAY, Dorchester.
Spicer, C. R.
Strange, A.

WAREHAM.
Gillingham, P. P., Stoborough
Hobbs, G., East St.
Laws, J., West St.
Marsh, A., St. Michael's Rd.

WEYMOUTH.
Bagg, J. & H., Commercial Rd.
Bartlett, J. A., 4 Franchise Terrace
Board, S. J., & Son, 13 Ranelagh Rd.
Bowring, G. F., 86 St. Thomas St.
Conway, T., Commercial Rd.
Holmes, G. R. & Co., 101 Abbotsbury Rd.
Mace, E. B., 2 Johnstone Row
Smith, S. J., Commercial Rd.
Stevens, T. J., High St.
Stone & King, Park St.
Whettam, J. T., Jun., Grange Rd.

WIMBORNE MINSTER.
Cobb, H., Station Rd.
Norman & Son, West Boro'
Smith, J., Colehill
Street, H., King St.

WINTERBOURNE ABBAS, Dorchester.
Atkins, H. J.

WYKE REGIS, Weymouth.
Bishop, J.
Selby, F.

Durham.

BARNARD CASTLE.
Appleby, J., Galgate (Mason)
Borrowdale, R. & Sons, Newgate (Joiners)
Brown, J., The Bank (Joiner)
Hedley, C., Galgate (Plumber)
Hunter, J., & Son, Galgate (Joiners)
Jackson, G. W. Horse Mrkt. (Plumber)
Kyle, J., & Son, Bede Terrace
Raine, C., Horse Market (Plumber)
Robinson, G. P., Larlington (Joiner)
Scott, G., Marshall Place
Welford, F., Galgate (Plasterer)
Wilson, R., Victoria Terrace, E.

BIRTLEY.
Burnett, J., & Son, Durham Rd.
Davison & Bolam, Station Rd.
Jobling, L.

BISHOP AUCKLAND.
Abbott, W., 13 High Bondgate
Bell, G. H., 22 Waldron St.
Blackett, R., & Son, South Rd.
Braithwaite, J., & Son, 98 Newgate St. (Joiners)
Dawson, G. W., South Rd. (Joi
Gibson, J. & W., Chester St. (J ner)
Hilton, T.
Hudson, W., Etherley Lane (Joiner)
Manners, T., Peel St. (Joiner)
Ryder, J. & R., South Rd.
Walker, R. & J. C., Tenters St.

BLACK HILL.
Ayton, W., & Sons, Benfieldside
Egglestone, G., 9 St. Cuthbert's Terrace, Benfieldside
Eltringham, Ld., Derwent St.
Jones & Brown, 8 Queen St.
Snowdon, W., Durham Rd.
Taylor, E. & J. R., St. Cuthbert's Terrace, Benfieldside Rd.
Westgarth, T., 37 Durham Rd.

BLAYDON-ON-TYNE.
Browell, J.
Davison & Bolam
Lishman, Hugh
Lockey, J.
Thompson & Co.

BOLDON, West.
Storey, R. M., Bank House

BYERS GREEN, Spennymoor.
Hewitson, J.

BURNOPFIELD, S.O.
Davis Bros.
Robinson, T. (Joiner)

CHESTER-LE-STREET.
Bolam, J. W., Pelton
Dyson, E., Newfield
Groves, C., Poplar St.
Lodge, W., & Son, Plawsworth
Norman, W.
Oates, I., Picktree
Thompson, T., & Son

COCKFIELD, S.O.
Rutherford, E., Coronation St.
Walker, S., The Green

CONSETT.
Maxwell, G., Park Rd.
Ridley, W., Palmerston St.
Routledge, J., Edith St.
Walton, T., Taylor St.

CORNFORTH, Ferry Hill.
Mann, J. T.

COXHOE.
Sanderson, T.

CROOK, S.O.
Buston, W., Hope St.
Hare, J., Gladstone St.
Hinchley & Sons (R.P.), Church St.
Walton, Bros., Commercial St.

CROXDALE.
Forster, William

DARLINGTON.
Armistead, T., 9 Arden St. (Plumber)
Airey, J. & J., 5 Mowden Terrace
Bowe, G., Priestgate (Painter, &c.)
Coates, W., Mechanics Yd. (Plumber)
Dougill, H., Archer St.
Dryden & Wood, Tubwell Row (Painters)
Easby, T., 37 Northgate (Painter)
Fowler, J., 13 Station Rd.
Guthrie, J., & Son, Corporation Rd.
Hoskins, W. H. & W., Blackwellgate (Painters & Decorators)
Jameson, W., Duke St.
Lancaster, W., I'Anson Sq. (Slater,

Durham—*continued.*

Lishman, T. (R. P.), & Son, 35 & 36 Bondgate
McDermid, B., & Son, Russell St. (Painters)
McKenzie Bros., Duke St.
Marshall, G. M., 23 Greenbank Cres.
Metcalf, J. Haughton Rd.
Mossom & Son, Bondgate (Pntrs., &c.)
Petch, H., Parkgate (Plumber)
Rennison, J. C. (R.P.), Bondgate
Renshaw, T., Westmoreland St.
Robinson, T., & Son, Victoria Embankment (Plasterers)
Scott & Armistead, Leadenhall St., Northgate (Painters)
Smith, E. (R.P.), Blackwellgate
Smith, R., Skinnergate (Plumber)

RIC. T. SNAITH,
Contractor & Builder, and Steam Joinery Works,
DARLINGTON.
Established 1846.
Contractor to H.M. Office of Works.
Speciality—Oak, Walnut and Mahogany Interior Fittings, Staircases, &c.
Works recently executed—
Nunthorpe Hall, Kirklevington Hall, Over Dinsdale Hall, New Ballroom, &c., Aske Hall, Town Hall and Municipal Buildings, Middlesbrough. New Banks at Barnard Castle, Northallerton, West Hartlepool, Richmond, &c.

Sykes & Co., Blackwellgate (Plmbrs.)
Thornton Bros., North Lodge Terrace
Wandless, J., 42 Cleasby Terrace Corporation Rd. (Slater)

DIPTON, S.O., viâ Lintz Green.
Cooper, W., Beechwood (Joiner)
Mordue, T. (Joiner)

DUNSTON-ON-TYNE.
Bewlay, I.
Noble, A., 4 Livingstone Terrace

DURHAM.
Almond, N. W., Church St. (Plmbr.)
Askew, J., North Bailey (Joiner)
Bradley, P., Easington Lane
Bradley, J. G., 30 The Avenue
Brown & Co., 74 Sadler St.
Caldcleugh, F., & Son, 35 Old Elvet (Joiners)
Carrick, J., Crossgate Peth
Coates, T., Hallgarth St.
Dickson, Elliott, Sunderland Rd.
Gibson, C. W., 49 Atherton St.

Geo. GRADON & SON,
Builders & Contractors,
DURHAM.
Works executed include—
Technical Schools, Durham; Guardian Offices, West Hartlepool; New Post Office, Durham; New Bank, Sunderland; Royal Insurance Offices, Newcastle; Additions to H.M. Prison, Durham; Assize Courts, Durham and Newcastle Ushaw R.C. College and Grammar School, Durham; County Asylum; Aske Hall (Lord Zetland). Castle Eden, Mitford, Leadgate, Norham, Brandon, and other Churches, &c., &c., for following Architects: Sir A. Blomfield, A. Waterhouse, P. P. Pugin, Late Ewan Christian, Messrs. Dunn and Hansom; C. Hodgson Fowler, G. G. Hoskins, E. R. Robson, Esqs.; Messrs. Oliver and Leeson, Hicks and Charlewood, H. T. Gradon, Esq., S. Wilkinson, Esq., and others.

Heron & Brown, North Rd. (Plmbrs)
Hodgson, E., Claypath (Painter)
Kell, J., & Sons, North Rd.
Laidler, J., & Sons (R.P.), New Elvet
Lodge, W., Dryburn View
Lowes, J., & Son, Steam Marble Wks
Manners, G. T., Gilesgate
Mowbray, J. W., & Sons, 2 Western Hill (Wood Carvers & Joiners)
Nelson, H. J., Holly St. (Joiner)
Nelson, S., Western Hill (Joiner)
Newby, T., North Bailey (Plumber)
Pearson, R., Back Lane (Plasterer)
Rhodes, W., jun., Neville's Cross, nr.
Shepherd, J., Gilesgate
Smurthwaite, J., New Elvet (Painter)
Taylor, E., Hill Crescent
Taylor, J., 19 New Elvet
Walton, W., Hawthorne Terrace
Wilson & Clark, New Elvet (Plastrs.)

EAGLESCLIFFE, S.O., Stockton-on-Tees.
Jones, H. T., Station Hotel

EASINGTON LANE.
Bradley, P. B. (Mason)

EAST BOLDON.
Davidson, J.

EGGLESTONE, Darlington.
Hetherington, P. O. (Mason)

ELWICK, Castle Eden Station, S.O.
Gibbon, G.

EVENWOOD, Bishop Auckland.
Howe, J., Swan's Row
Teasdale, G.
Willan, T.

ESH, Durham.
Rutter & Son

FATFIELD, Washington, S.O.
Bemman, I., River Terrace

FELLING, S.O.
Boyd, E., Gosforth St. (Painter, &c.)

FENCE HOUSES.
Latimer, T., Bankheal
Wardropper, G., Old Penshaw

FERRY HILL.
Lazenby, G. W., Chilton Lane

GAINFORD, Darlington.
Adamson, R. & S.
Gent, G. R. (R.P.)

GATESHEAD.
Allinson & Sons, 92 High West St. (Plumbers)
Bailey, G., 56 High St.
Bewley, I., Clavering Avenue
Bradshaw, J., & Son, Cuthbert St.
Briggs, H. F., Coburg St.
Corking, J. T., 42 Jackson St. (Plmbr.)
Coxon, W. A., 46 Brunswick Terrace
Elliott, J., High West St.
Ferguson, F., Nelson St.
Greason, Bros., High St.
Hall, W., Derwentwater Rd.
Haswell & Waugh, Askew Rd. W.
Merilees & Denton, West St. (Dctrs.)
Milne, J., Coatsworth Rd.
Nicholson & Wakefield, Morn Gdns., Joicey Rd.
Pratt, H., & Sons, 24 West St. (Pbrs.
Pringle, A., Cramer Dykes
Raven & Hitcham, Poplar Cresce
Robson, T., Back Tower St.
Ross, W., 44 Brunwick Terrace
Shell, J. W., 115 Hyde Park St.
Stephenson, R. & J., Low Fell
Thomson, S., Sunderland Rd.

HARTLEPOOL.
Marshall, R. J., Bell St.
Sudron, W., Northgate
Watson, C. T., Cleveland Rd.
Watt, W., Olive St.

HARTLEPOOL, West.
Atkinson, W. T., Thornton St.
Beetham, T. & Sons, Villiers St.
Brown, J. G., Park Rd.
Dickinson, T., & Son (see Advt. on next page)
Howe, H. C., Park Row (Shop-fitter)
Howe, J., & Co., Whitby St.
Pearson, W., Burn Rd.
Proud, J., Carsline St.
Turnbull & Son, Redworth St. (Shop-fitters)
Tweddle, E. M., Osborne Rd.
Tweddle, J. A., South Rd.
Watt Bros., Park Rd.
Watt, R., & Son, 3 & 5 Thornton St.

HEBBURN-ON-TYNE.
Gordan, G., 58 St. Rollox St.
Munroe, T., 9 Newton Terrace
Young, M. D., Red House

HETTON-LE-HOLE, S.O.
Sparrow & Lamb
Tremble, J. (Mason)

HEWORTH, S.O.
Loraine, S. B., St. Mary's Terrace

Durham—*continued.*

Thomas Dickinson & Son,
Builders & Contractors,
MILTON WORKS,
WEST HARTLEPOOL.
Some Contracts completed—
Mansion, Stables, etc., near Loftus
Alfred Waterhouse, Esq., Archt.
N. P. Bank, Loftus, Town Hall; E. Robson, Esq., Archt.
North Eastern Banks, Middlesbrough and Loftus; A. L. Newcombe, Esq., Archt.
Messrs. Lampton's Bank, Sunderland; A. Gribbe, Esq., Archt.
Church of Emmanuel, Saltburn-by-Sea; Mansion, etc., Saltburn; C. Johnson, Esq., Archt.
Victoria Schools, Middlesbrough; Messrs. Dorman & Long's Offices, Middlesbrough.
Mansion, Stables, & Lodge, Middlesbrough; J. M. Bottomley, Esq., Archt.
St. Joseph's Catholic Church; Messrs. Dunn & Hansom, Archts.
Public Abattoirs, West Hartlepool; J. W. Brown, Esq., Archt.
Technical Schools, West Hartlepool; Town Hall, West Hartlepool; H. A. Cheers, Esq., Archt.
St. Peter's Catholic Church, Castle Eden; John Kelly, Esq., Archt.
Mansion, Stables, etc., near Northallerton; Messrs. Demaine & Brierly, Archts.
North Eastern Gazette Offices, Middlesbrough; R. Lofthouse, Esq., Archt.
Kirklevington Hall, Sir T. Richardson, M.P.; E. May, Esq., Archt.
Tunstall Manor, W. C. Gray, Esq., West Hartlepool; T. Lewis Banks, Esq., F.R.I.B.A., Archt.
York City and County Bank, West Hartlepool; Messrs. Barnes and Coates, Archts.
St. Oswald's Church, West Hartlepool; Messrs. Hicks & Charlewood, Archts.
Tees Conservancy Commissioners' Offices, Middlesbrough; Messrs. Bottomley & Whipham, Archts.
Bridge Hotel, Thornaby-on-Tees; Messrs. Oliver Leeson & Wood, Architects.
York City & County Bank, Middlesbrough; Harry Barnes, Esq., Archt.

HOUGHTON-LE-SPRING, S.O.
Balmer, P., & Son
Brown, J., Edwin St.
Harrison, R. D., William St.

HURWORTH-ON-TEES.
Hodgson, R.

JARROW-ON-TYNE.
Craig, S., 283 High St.
Glen & Moffett, 11 Queen's Rd.
Henderson, J. A. M., Grange Rd. W.
Kennedy, W., Monkton Lodge
Lumsden, T., 84 Albert Rd.
Marr, C., Bede Burn Rd.
Marr, J. G., 10 Bede Burn Rd.
Shields, H., 12 Suffolk St.
Yeeles, J., Henry St.

LEADGATE.
Robson, M., Watling St.

LEAMSIDE, Fence Houses.
Draper, M. R., & Sons
Grainger, W.

MEDOMSLEY, S.O.
Taylor, R. F.
Thompson, J., Medomsley Edge, *viâ* Ebchester

MOORSLEY, Hetton-le-Hole, S.O.
Wade, R., High Moorsley

PELAW-ON-TYNE.
Foster, W.

PITTINGTON.
Heslop, J.

RYTON-ON-TYNE.
Jefferson, F.W. (R.P.), 12 Dean Ter.
Joicey, E., 4 Elvaston Rd. (Plumber)
Rutler, M. J. (Painter)
Sample, E., & Son, St. Mary's Terrace
Turnbull, J. A., & Son

SACRISTON, near Durham.
Craig, Bros.

ST. JOHN'S CHAPEL, Darlington.
Lee, T., Dadree Shield

SEATON CAREW.
Noddings, R., Charles St.

SHILDON.
Adamson, J. F., Church St.
Dennis, L. M., Church St. (& Joiner)
Metcalfe, A., Albert St.
Moore, J., New Shildon

SHOTLEY BRIDGE.
Houliston, A.
Surtees, W., & Sons

SOUTH HYLTON.
Carr, G., Church St.
Grierson, J., High St.
Jodd, T., Vicarage Terrace

SOUTH SHIELDS.
Atkin, J. T., Broughton Rd.
Banks, T., Roman Rd.
Bell & Matthews, 6 Queen St.
Brown, R. & Sons, Harton
Carruthers, J., 44 Winchester St.
Christie, J., Commercial Rd.
Crane, R. N., Woodland Terrace
Fawens, W. & Son, Albermarle St.
Gilfillan, J., 13 Eglesfield Rd.
Hall, M., jun., Coronation St.
Harper, R., Back Charlotte Terrace
Hunter, J., 4 St. Michael's Terrace
Mann, T., Salmon St.
Moore, J., Alice St.
Robertson, & Sons, 1A Mowbray Rd.
Ross, A., 29 Osborne Avenue
Sheriff, S. & Sons, Back Woodbine St.
Shewan, J., 18 Burrow St.
Summerbell, R., & Son, Rutland St., Tyne Dock
Thornton & Co., 14 Eglesfield Rd.
Wilson, W. & Sons, 71 Brunswick St. (Drainage Contractors)
Winter, T. S., & Co., Mile End Rd.
Yellowley, W. & A., Vespasian St.
Young, J., Tyne Dock

STANLEY, S.O.
Birtley, R.
Duffy, P.
Dunwoodie, G. (Joiner)
Forster, G., Clifford Rd. (Joiner)
Johnson, W.
Routledge, A., Station Rd.

STOCKTON-ON-TEES.
Atkinson & Son, Yarm Rd.
Atterby, T. E., Newby Terrace
Brown, T., The Square
Colpitt, Bros., Norton
Cooke, A. J., Millfield House
Craggs & Benson, 12 Hume St.
Fletcher, J., Page Terrace, Norton
Davison, J., Springholme
Grey, G. E., East St.
Hanby, T., 5A Lightfoot Grove
Johnson, R., & Sons, Lightfoot Grove
Pickersgill, R., & Sons, (Plumbers)
Race, G., & Sons, Hartington Rd.
Taylor, F. W., 31 Park Rd.
Thompson, G., & Son, 15 The Green, Norton
Watson Bros., Central Bldgs.

SUNDERLAND.
Armitage, J., Southwick
Armstrong, R. W., Queen's Crescent
Arnison, G. N. & Sons, 42 Borough-road (Plumbers, &c.)
Arniston, A. S., Stockton Rd. (Pntr.)
Cooper, W. B., Park Place East
Davison, W. (R.P.), High St., Southwick
Dawson, —, St. Mark's Cres. (Slater)
Dunwoodie, T., Millfield
Elrick, J., Whickham St., Monkwearmouth
Fairclough, W. H., 4 General Gordon Terrace (Plumber)
Foster, G. H., 16 Villiers St.
Graham, T. E., Paul's Rd.
Hodgson & Russell, Cowan Terrace
Howarth, M., Borough Rd.
Hudson, R., & Sons, St. Mark's Cres.
Huntley, J., Hendon
Kirtley, J. G., Ld., Borough Rd. (Plumbers)
Nelson, D., Hudson Rd. (Slater)
Nelson, J. E., Homeside (Slater)
Pitt, H. E., Fox St.
Ranken, D. & J., Stockton Rd.
Rule, J., Park Lane (Plasterer)
Stott, J. B., Easington St., Monkwearmouth
Swan, G., & Co., Thomas St., Monkwearmouth
Tawse, Geo., 22 Blandford St. (Pntr.)
Taylor, J., Wycliffe Rd.
Tiffin, J. W., North Grange Works
White, J. W., General Graham St.
Wilkinson, J. B., Bedford St. (Plbrs.)
Woodhill, H. A., 60 Ormonde St.
Young, G., & Sons, Newcastle Rd. Saw Mills, Monkwearmouth

Durham—*continued.*

SWALWELL, S.O.
Shield, J.

TANTOBIE, S.O.
Johnson, W.

TOW LAW, S.O.
Westgarth, T.

WASHINGTON, S.O.
Bruce, R.
Hunter, T.
Robinson, T., Lambeth Place

WEST RAINTON, Fence Houses.
Draper, M. R., & Sons

WHICKHAM-ON-TYNE.
Collins, W. B.

WHITBURN, Sunderland.
Allison, W. D.
Ivison, R. W.
Robertson, G., Victoria Rd.

WINLATON.
Smith, R., Tyne St.

Essex.

BARKING.
Garbett, J. C., Cambridge Rd.
Goodey, J. R., Kennedy Rd.
Smith, J., Longbridge Rd.

BARKINGSIDE, Ilford.
Gowen, F., Victoria Rd.
Walter, R. G.

BILLERICAY, Brentwood.
Gentry, G.

BRAINTREE.
Brown, A., & Son
Brown, W.
Letch & Bowtell
Parmenter, S., Belle Vue
Parmenter, W., Steam Joinery Works

BRENTWOOD.
Burtwell, F. W., 41 High St.
Claydon, R., Queen's Rd.
Dix, E., Ongar Rd.
Haws, T. W., King's Rd.
Jarvis, F. W., Ongar Rd.
Robson, T. H., Shenfield Rd.
Scrivener Bros., Crescent Rd.
Sowray, W., Queen's Rd.
Winter Bros., High St.

BUCKHURST HILL.
French, W. & C., New Rd. (Road & Sewer Contractors)
Heard, T. W., Queen's Rd.
Tavener, H. W., Hills Rd.
Wells, H., & Sons, Queen's Rd.

BURNHAM-ON-CROUCH, S.O.
Cook, J., New Rd.
Read Bros.

CHADWELL HEATH.
Death, W. G., London Rd.
Holiday & Son

CHAPPEL, Earl's Colne.
Theobald, W. C.

CHELMSFORD.
Allen & Gowers, Baddow Rd.
Beckett Bros., Moulsham St. (Hortl.)
Choat & Son, Mildmay Rd.
Cracknell, F., Baddow Rd.
Crompton & Fawkes (Horticultural)
Fincham, W., Baddow Rd.
Gowers, J., Park Rd.
Johnson, F., Phœnix Works, New St.
Linn, J., Great Baddow
Moss, A., & Co., Springfield Rd.
Potter, H., & Son, Fairfield Works
Samms, W., Rainsford End
Weight, F., Springfield Rd.

CHIGWELL.
Holder Bros., Chigwell Rd.
Radley, W., High Rd.

CHINGFORD.
Allen Bros.
Martin, W. A., Handworth Avenue, Heigham Park

CLACTON-ON-SEA.
Bray, W. H., Wellesley Rd.
Ellis & Co., Electric Parade
McKay, J., Ellis Rd.
Moore, W. S., Hayes Rd.
Myall & Upson, St. Andrew's Rd.
Neighbour, W. & H., 11 Old Rd.
Newing, S. H., 13 Marine Parade
Pennick & Nephew, Wellesley Rd.
Smith, H., Pier Avenue

COGGESHALL.
Sach, E., Church St.

COLCHESTER.
Beaumont, R., London Rd., Lexden
Chambers, W., Magdalen St.
Diss, A., Stanwell St.
Diss, A. E., Bergholt Rd.
Dobson, G., & Son, Butt Rd.
Everett, H., & Son, Hythe Hill
Oak Bldg. Co., North Gate St.
Ward, T. J., St. John's St.

DANBURY, Chelmsford.

BAKER & SONS
Builders and Contractors,
DANBURY,
ESSEX.
Special attention given to Alterations, Extensions, Repairs, and Sanitary Work.
Distance no Object.
ESTABLISHED 1878.

DEDHAM.
Saunders, N., & Son

DUNMOW.
Harmon, F.

EARLS COLNE, Halstead.
Rogers, Z., High St.

EAST HAM.

JAMES W. JERRAM,
BUILDER
AND
CONTRACTOR,
OFFICE & WORKS:
"Crown Works,"
BOUNDARY ROAD,
East Ham.
Telephone:—
543 BARKING.

EAST HANNINGFIELD.
Rayner, J.

ELSENHAM, Bishop's Stortford
Robinson, D., Sen.

EPPING.
Cable & Sons, High St.
Keen, T., Theydon Bois, near
Knights, A., St. John's Rd.
Palmer Bros., High St.
Whiffin, J., & Sons, High St.

FRINTON-ON-SEA.
Farr, A. E., Old Rd.
Hudson, A. & Co., Second Avenue
Jones, C. H., Old Rd.
Wash, T. W., "Coolmore," Upper Fourth Avenue

Essex—*continued.*

GRAYS.
Brown, J., Bridge Rd.
Lawrence, J., Corse Hill
Rons, G. B., Bridge Rd.
Rons, H. R.

GREAT LEIGHS, Chelmsford.
Smith, J., & Son
Wright, J. S., Little Leighs

GREAT TOTHAM, Witham.
Ward, A., & Sons

GREAT WAKERING, Southend.
Burgess, E., White Hart Cottages
Ventriss, G.

GREAT WALTHAM, Chelmsford
Drewry, W.
Milbank & Sons

HADLEIGH.
Stibbards, S., Rose Cottage
Upson, L. S., Leith Cottage

HALSTEAD.
Runnacles, C. E., Factory Lane
Suckling, A. J., Colchester Rd.
Sudbury, G., & Sons, Colchester Rd.

HARLOW.
Newton, J., High St.
Nicholls, J., High St.
Tate, J., Churchgate St.
Winch, W.

HARWICH.
Lewes, W. G., 33 Esplanade
Moran, J., & Son, Dovercourt Rd.
Newton, E. E., Main Rd.
Saunders, E., Hill Crescent Works, Dovercourt
Smith & Beaumont, Coke St.

HATFIELD, BROAD OAK.
Barker & Sons
Hockley, E. H.

HOCKLEY, S.O.
Howard & Ruffel

HORNCHURCH.
Bruty, T., Joinery Mills & Works

HUTTON, Brentwood.
Cross, A. & J.

ILFORD.
Hall, W., 107 Lansdown Rd., Seven Kings
Juby, R. S., Roden St.
Key, W. G., 5 The Drive, Cranbrooke Park
Lewin, G., Hainault St.
Pettigrew, J., Clark Rd.
Willmott, F., High Rd.

INGATESTONE.
Avey, S., High St.
Jennings, C., Margretting Tye

INGRAVE.
Boardman, W., Salmons Farm

KELVEDON.
Siggers, W.

LANGENHOE, Colchester.
May, J.

LEIGH, S.O.
Green, F. J., Elm Rd.
Johnson, H., North St.
Thorpe & Sons, Church Hill

LOUGHTON.
Davey, D., Meadow Rd.

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Greenaway, J., Baldwin's Hill
Warriner, R., Golding's Hill

MALDON.
Baxter, A., High St.
Dines & Son, High St.
Smith, D., Beeleigh Rd.
Smith, J., 106 Wantz Rd.
Wilding, T., 35 Market Hill

NAYLAND.
Deaves, W.

NEWPORT.
Staines, J. H.

ONGAR.
Barlow, H.
Noble, F. M.

RAINHAM.
Howell, W., The Hollies

RALEIGH.
Baker Bros., Leslie Rd.
Baldwin, T., High St.
Byford, J.
Shelley, J. & M., Thundesley

ROCHFORD.
Allen, J., Stanbridge Rd.
Golding, —
Kemp, N., Prittlewell Rd.
Norden, S., Prittlewell Rd.

ROMFORD.
Dowsing & Davis, Mawney
Earl, W., Dagenham
Hammond, J. S., & Son, Hill House
Hunnable, W., Eastern Rd.
Partridge Bros., North St.
Pearcey, G., Dagenham
Westgate, W. E., Mawney's Rd.

SAFFRON-WALDEN.
Bell, W., & Sons, South Rd.

SHOEBURYNESS.
Alp, J., High St.
Harris, A. J., Rampart St.
Simpson, M., St. Andrew's Rd.
Ventriss, —, High St.

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Baker & Wiseman, Tyler's Avenue
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Darke, W. T., 54 Alexander St.

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Telegrams—FED } Southend-on-Sea
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Works recently executed include:—Baptist Chapel, Southend; Electric Generating Station, Car Sheds, Chimney Shaft, &c., Southend; Nelson Hotel, Southend; Board Schools, Hornchurch; Chimney Shaft, Kingston; Factory and Warehouses, Chiswick; Westcliff-on-Sea Hotel, Re-building after fire; Rochford Workhouse, Additions, Laundry, Chimney Shaft, &c.; Bank Buildings, London & Provincial, Southend-on-Sea; Cemetery Chapel and Lodge, Southend; Steam Laundry, Southend; Southchurch Hall Elementary Schools, Southend; Higher Grade Schools, Finchley; Board Schools, Tilbury; Additions to Small Pox Hospital, Sutton; Steam Laundry, &c., Tottenham; Isolation Hospital, Epping; St. Erkenwald's Church, Southend; Court House, Police Station, Southend; Board Schools, Walton-on-Naze; L. and P. Bank, Leigh-on-Sea; Public Library, Southend-on-Sea; Underground Conveniences, Stepney; Schools at Children's Homes, Ongar, for Hackney Guardians; Alterations and Additions to Cliff Town Church, Southend.

Elvy, R., London Rd.
Flaxman, J., Southchurch Rd.
Grainger, —., Southchurch
Leaney, W. G., Lancaster Gardens
Moss, S. E., & Co., Bournemouth Park Rd.
Wnur & Campkin, Bournemouth Park Rd
Whur, A. R., Princes St.
Wilkinson, H. R., Wesley Rd.
Woodhams, F. E., Southchurch Rd.

Essex—*continued.*

SOUTHMINSTER, S.O.
Bishop, J.
Stammers, W.

STANFORD-LE-HOPE.
Sullings, T. H., Copland Rd.

STANSTED.
Robinson, D., jun.

STEEPLE BUMPSTEAD.
Humphrey, T.

STOCK.
Jarvis, H.
Jarvis, J.
Woodward, A.

UPMINSTER.
Hock, W.
Wilson, T. L.

WALTHAM ABBEY.
Bentley, J., Sun St.
Paul, P. R.

WALTHAMSTOW.
Amey, T. E., 102 Beulah Rd.
Attwell, A. T., Forest Rd.
Baker, D. T., 2 Priory Avenue
Baker, T. & W., Highams Park
Barker, G., Hoe St. North

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Electrical Engineer,
DAVENTRY WORKS,
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8 Walthamstow.

Crisp, A. G., 37 Wingfield Rd.
Dean, J. & J., 32 Addison Rd.
English, E. J., Erskine Rd.
Fuller, E., & Son, Beulah Rd.
Good, E., 67 Pembroke Rd.
Grove, R., 17 Westbury Rd.
Lee, R., & Co., Higham Hill
Mortimer, F., 40 Queen's Rd. Siding
Page, G. M., 40 Church Hill Rd.
Peachey, R. F. & W., Boundary Rd.
Poole, I. 14 Queen's Rd. West
Reed, J. A., Church End
Richmond, P., Queen's Rd.
Rippin, J., 5 Carisbrook Rd.
Sand & Burley, 125 Longfellow Rd.
Scott, S. J., Shernhall St.
Sizer, W., 46 Church Hill. Rd.
Tuckwell, C., Forest Rise
Watling, O. H., Hale End
West Bros. & Pettet, Pearl Rd.
Wilson, G. S., Westbury Rd.

WALTON-ON-NAZE.
Gladwell, H. W., jun., Kirby Rd.
Oxley, P. G., 15 High St.

WANSTEAD.
Hutchings, J. B., Sidney Rd.
Jolliffe, J., Wellington Rd.
Mundy, W., George Lane
Robins, A. W., High St.
Wilmott, F. L., Church Path

WEELEY, Colchester.
Canham, T., & Son

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Arnold. A. J., Leigh Rd.
Comber, C., Albion Rd.
Fairhead, A., Round Park Avenne
Jay & Co., Ranuz Drive
Padley, A., Round Park Avenue

WEST MERSEA, Colchester.
Thorp, M. M.

WITHAM.
Gamble, J., Maldon Rd.
Smith, J., & Son, Chipping Hill

WOODFORD.
Osborn, T., & Sons, High Rd., South Woodford
Parry & Jones, Stanley Rd.
Ranger, F., George Lane
Wells, H., & Sons, The Green

WRITTLE, Chelmsford.
Kennell, H.
Moss, F.
Wood, R.

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ADLESTROP, Chipping Norton.
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AVONMOUTH.
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Dimery, G., & Sons, Wanswell, near

BITTON, Bristol.
King & Son

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Clifford, A., & Son
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BRIMSCOMBE, near Stroud.
Wall & Hook

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Bale and Westlake, Clifton Down
Bennett, W. & J., Pennywell Rd.
Chorley, C., & Sons, Gloucester Rd., Bishopston
Chown, F., Wellington Rd., St. Paul's
Clark, E., & Sons, Fishponds
Cowlin, W., & Son, Stratton St., St. Paul's
Denby, A. E., & Co., Great George St., Park St.
Dowling, A., 125 North Rd., Bishopston
Downs, G., & Son, 193 Newfoundland Rd.
Durnford, J., & Son, Upton Rd., Bedminster
Eastabrook & Sons, Pennywell Rd.
Forse, H. A., & Sons, 143 Ashley Rd.
Foster, W., 26 City Rd.
Gay, E., 110 Thomas St.
Hayes, C. A., Thomas St., Redcliff
Humphreys, G., & Son, Woodborough St., Stapleton Rd.
James, J., 166 Stapleton Rd.
Krauss, A., & Son, 4 Unity St. College Green
Lewis, T. R., Somerville Road, Bishopston
Love, E., Hampton Rd., Redland
Lovell, T., & Son, Park Row, Clifton
Martin, S. & Son, Orchard St.
Neale, H. W. & E. I., Guinea St., Redcliffe
Norris, E. C., Bath Bridge
Perkins, J., & Son, 62 Lr. Redland Rd.
Poole, G. L., Brislington
Ridd, R. F., 18 Wilder St.
Robertson, S., Pennywell Rd.
Stephens, Bastow & Co., Ld., Montpelier
Thomas, L., & Son, 42-44 Triangle, Clifton
Walters, E. & Son, St. Andrew's Rd., Montpelier
Walters, W. E., Sneyd Park
Wilkins & Gosling, 143 Ashley Rd.
Wilkins, R., & Sons, 20 Bishop St., Portland Square
Woodward, T. H. R., Southwell St. Kingsdown

CAMPDEN.
Hartwell, W.
Smith, J.

CHARFIELD, S.O.
Roach, J., & Sons

CHARLTON KINGS, Cheltenham.
Cleevely, J.

CHELTENHAM.
Baker, J., 68 Winchcombe St.
Bendall, J., D., & Sons, Leekhampton Rd.
Billings, A. C. & Sons, Ltd., Winchcombe St.

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Channon, C. H., & Son, Montpellier St.
Channon, W. C., St. George's Place
Collins & Godfrey, Grosvenor St.
Hunt, W. T. & R. A., 22 Carlton St.
Malvern, C., & Sons, Winchcombe St.
Martyn, H. H. & Co., "Sunningend," and 59 High St. (Sculptors)
Millard & Sons, 6 Otago Terrace
Moore, E. W., & W. J., Bath Parade
Pates, W. T., Hewlett Rd.
Price & Co., Keynsham St.
Rainger, C. H., 10 Bath Place
Saunders, E., & Sons, 2 Southend Villas, Painswick Rd.
Skemp, R. R., Gratton St.
Wilson, Amos, Swindon Rd.

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Skey, J. G., "The Swan"

CINDERFORD, Newnham.
Freeman, S.
Mills, J., High St.

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Drew, G., Victoria Rd.
Newcombe, G. F. & E., Cricklade St.

Saunders & Sons, Ltd.,

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UNDER JOHN BIRCH, ESQ., ARCHITECT, 8 JOHN ST., ADELPHI, W.C.

Repairs and Renovations to King Alfred's Hall, Earl Bathurst's Park, Cirencester. Three Blocks of Artizans' Dwellings, Cirencester. Keeper's Lodge, Hampton Rd. Municipal Buildings. Shops, corner of Market Pl. and Castle St., for Earl Bathurst.

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UNDER V. A. LAWSON, ESQ., ARCHITECT and CIVIL ENGINEER. CIRENCESTER and STROUD.

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UNDER J. FARRER, ESQ., ARCHITECT, COLEMAN STREET, E.C.

Alterations and Additions to the Close, Tetbury, Gloucestershire, and New Stables for same.

UNDER J. OLDRID SCOTT, ESQ., ARCHITECT, 2 DEAN'S YARD, WESTMINSTER.

New Dormer Windows and Vestry to Holy Trinity Church, Watermoor, Cirencester.

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SAUNDERS & SONS, Ltd. *continued.*

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Additions, Alterations, Redecoration, Drainage, and Stable Additions, at Chedglow Manor, for Lawrence J. Baker, Esq.

UNDER F. W. TAYLOR, ESQ. ARCHT.

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Nelmes, W., Berry Hill
Wilding, E.

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Salisbury, L.

DOYNTON, Bristol.
Hinton, S.

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Bloodworth, S., & Son
Malpas, C., Quarry, near
Workman, G., Cam, near.

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Baldwin, F.

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Bruton, J.
Sheppard, G.

FOSSBRIDGE, Northleach.
Mills, W.

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Byard & Son, Stroud Rd.
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Dolman, A. J., Ryecroft St.
Estcourt & Sons, 278 Barton St.
Fream, W., & Son, 17 London Rd.
Freeman & Jones, Sherborne
Godwin & Bassington, Henry Rd.
Gurney, J., Barton St.
Jones, W., Worcester St.
King, A., & Sons, Russell St.
Kingscott & Winfield, Whitfield St.
Nicholls, W. T., 10 St. Paul's Rd.
Simmonds, J., Conduit St.
Williams, T. J., Bristol Rd.

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NEWNHAM.
Coleman, J., Chaxhill
Simmonds, A.

NEWENT.
Bidmead, J.
Cole, J.
Wood, A. H., Culvert St.

PAINSWICK.
Burdock, W. H., New St.
Swain, W. H., The Park

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Ings, D., & Sons

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Davies, D.
Hulin, —.

QUENINGTON, Fairford, S.O.
Godwin, W. J.

ST. BRIAVELS, Coleford.
Davies, J.

SLIMBRIDGE, Stonehouse.
Morgan, H. J., & Son

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Edwards, P. & J., Victoria St.
Hill, F., Downend
Payne & Rice

STONEHOUSE.
Griffiths, G.

STOW-ON-THE-WOLD.
Hookham, M., Park St.
Howman, J. & G.

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Baxter, N., & Sons, Lansdown
Beavis, E., Spillmans, Rodborough
Beavis, H. R., & Son, Slad Rd.
Clarke, T., Bisley Rd.
Cooke, A. S., Pagan Hill.
Cox, S., Lightpill
Drew, Wm., Chalford, near
Gardner & Sons, 6 King St.
Ford, P., & Son, Slad Rd.
Harper, G., Paganhill St.
Lewis, I., & Sons, Bath Rd.
Orchard & Peer, Bowbridge Wharf
Pitt, T. G., Ebley, near

TETBURY.
Crew, T. S.
Jenkins, W.

TEWKESBURY.
Collins & Godfrey, The Cross
Coutts & Howell, Barton St.
Denley, Bros., East St.
Sweet, B., & Son, Oldbury Rd.

UPTON ST. LEONARDS, Gloucester.
Tombs, L. H., Winneycroft

WARMLEY, Kingswood, S.O,
Field, W.

WESTBURY-ON-TRYM, Bristol.
Williams, E.

WILLERSLEY, Broadway.
Billey, W.

WILLSBRIDGE, Kingswood, S.O.
Short, G., Longwell Green

WOTTON-UNDER-EDGE.
Fisher, R.
Jotcham, A., Haw St.
Jotcham, J., Market St.

YATE, Chipping Sodbury.
Hudson, J. B.

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Snuggs, W. J., 11 Frederick St.

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Eddolls, F. J., Broad St.
Hewitt Bros., East St.

ALTON.
Dyer, J. H. & E., High St.
Merrett, T. & W., Newtown

ANDOVER.
Annett, H. A., & Son, 7 West St.
Beale, F. & Sons, Adelaide Rd.
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BASINGSTOKE.
Goodall, H. J., & Sons, Queen's Rd.
Harris, J., Basing Rd.
Heddersley & Purdue, Alexandra Rd.
Hooker, G., Chiddesden Rd.
Mundy, H., Essex Rd.
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Tarrant, S. A., Jubilee Rd.
Thumwood, J., Chequers Rd.
Tigwell, W., Wote St.

BISHOPSTOKE, Eastleigh.
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BISHOP'S WALTHAM.
Apps, G.
Clarke & Sons, Station Rd.
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Builders & Contractors,

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Alterations and Additions, National Provincial Bank, Bournemouth, Wilts. & Dorset Bank, Salisbury, Bournemouth and Boscombe, Capital & Counties Bank, Bournemouth.

Many of the largest Public Buildings, such as Bournemouth Post Office, Shaftesbury Hall, Royal Victoria Hospital, Orphanage, Sisters of Bethany (Infirmary Porch), &c., Gas & Water Co. (Coal Stores, Workshops, Filter Bed, Reservoir), Business Premises; Messrs. Plummer & Roddis, and Messrs. Allen, &c.

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Hoare, F. & Sons, 3 Wharf Rd.
Hoare, W., Holdenhurst Rd.
Jenkins & Sons, Ltd., 43 Holdenhurst Rd.
Jones & Seward (see Advt. on next page).
Jones, W. E., & Son (see Advt. on next page).
Jones, W. & Son, 260 Holdenhurst Rd.
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Miller & Sons, Lansdowne
Minty, S., Beaulieu Works, Triangle
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BROCKENHURST.
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Decorations, Bourne Hall Hotel, Bournemouth.

Additions and Renovations, Alderney Manor, Dorset; and 5 Belvidere Terrace, Weymouth.

Structural Alterations and Bar Fittings, Prince of Wales' Hotel, Bournemouth.

New Hotel, Moordown, for Messrs. Strong & Co., Romsey.

New Hotel, Redhill, for Messrs. Eldridge, Pope & Co., Ltd.

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Ten Houses and Three Shops at Westbourne; Messrs. Hawker and Mitchell, Archts.

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Nobes, G., Hursley Rd.

CHRISTCHURCH.
Jenkins & Sons, Bridge St.

COSHAM.
Carter Bros. & Co., High St.

CROOKHAM, Winchfield.
Liming Bros.

EASTLEIGH.
Evans, H., Desborough Rd.
Hedges, G., Desborough Rd.
Hutchings & Son, High St.
Stagg, H., Market St.
Treherne, J., Newtown
White, E., Newtown Rd.
Wickham, A. E., & Son
Wright, D., Chamberlayne Rd.

EAST MEON, Petersfield
Coles, H.

EAST WOODHAY.
Bance, E. A., Ball Hill
Pope & Co.

EMSWORTH.
Poate, W., Westbourne
Sparks, H., King St.
Wiggins, H. W., North St.

FAREHAM.
Plummer, H., West St.
Willcox, E., 77 High St.

FARNBOROUGH.
Hughes, W., Netley St.
Smith, W.

FLEET.
Gale & Savage, Fleet Rd.
Pool & Son

FORDINGBRIDGE.
Sherring, J., Exors. of

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Croad, J., 98 High St.
Dash, C. M., 34 Clarence Sq.
Gibbons, T. E., 40 Forton Rd.
Hunt, J., South Walk, Cleveland Rd.
Jupe, C., 138 High St.
Lane, Bros., 185 Forton Rd.
Lear, C. J., & Son, Alverstoke
Middelton, R.M., & Co., Elmhurst Rd.

GRAYSHOTT, near Liphook.
Chapman & Lowry, Ltd.

HAMBLEDON.
Banting Bros.
Meredith, H.

HARTLEY WINTNEY.
Pool & Son, Hartley Row

HAVANT.
Carrell, G. & R., The Pallant
Munday, H., West St.
Rogers Bros., Park Rd.

HAYLING.
Apps, G.
Clinker, J. B., West Town
Eames, J. B., West Town

HOLYBOURNE, Alton.
Fudge, J.

HOOK, Fareham.
Newbury, C. J.

HORNDEAN, Rowlands Castle.
Edney, J.

HORTON HEATH, Eastleigh.
Denham, E. & H.

HURSTBOURNE TARRANT, Andover.
Godwin, E.

HYTHE, Southampton.
Bowman & Son, Hardley
Keigham, E. J.

ITCHEN, Southampton.
Baghaw & Son, Bridge Rd.
Cately & Son, Obelisk Rd.
Chapman, W. H., Oak Rd.
Dewey, T. J., Mayor Rd., Pear Tree Green
Hinton Bros., Burstow House
Pettit, F. W., Brook Rd.
Spencer, C., Bridge Rd., Pear Tree Green
West, A. P., Portsmouth Rd.

KING'S CLERE, Newbury.
Garrett, W. & C.

KING'S SOMBORNE, Stockbridge
Hatcher, W.
Noyce, W.

LANDPORT (*see Portsmouth*).

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Cæsar, A.
Whitmore, W.

LISS.
Brading, W., West Liss
Finch, E., East Liss
Jenkins, W., West Liss
Legg, W., Greatham

LONGPARISH, Whitchurch, S.O.
Broad, J.

LYMINGTON.
Cole, G., New St.
Preston, H., Highfield
Rashley & Son, High St.
Reeks, F., Stanford Works
White, J. (R.P.), Pennington

LYNDHURST.
Gale, I. E., Pike's Hill
Hayter, C., Queen's Rd.
Holley, H., High St.

MEON STOKE, Bishop's Waltham.
Green, W.

MILFORD-ON-SEA.
Rashley & Son
Springer, J. G.
Walker, G. W.

MILTON.
Egg, W.

NETLEY, Southampton.
Smith, W., Water Lane

PETERSFIELD.
Holder, J. & Sons, Sheet, near
Mould, W., jun., Dragon St.
Pocock Bros., Dragon St.
Wright & Hurst

POKESDOWN, Bournemouth.
Elcock, F., Morley Rd.
Edwards, J., Colville Rd.
Heal & Co., Morley Rd.

Hampshire—*continued.*

Jenkins & Sons, Christchurch Rd.
Saunders & Co., Parkwood Rd.
Taylor, S., Southbourne Rd.
Travers, —, Parkhurst Rd.

PORTSEA (*see Portsmouth*).

PORTSMOUTH.
Bevis, A., St Thomas St.
Clark, H., & Sons, Claxton St., Landport
Coltherup, M., Lombard St.
Corke, F., Froddington Road, Southsea
Croad, J., Portland St.
Crockerell, J., Victoria Rd. North, Southsea
Davis, G. J., 7 Cottage Grove, Southsea
Dowdell, P. H., 174 Wingfield St.
Dugan, W. T., 8 Prince George St., Portsea
Evans, W. W., Brougham Rd., Southsea
Harding, J., Victoria Rd. North, Southsea
Jones, H., 37 Broad St., Southsea
Learmouth, W., Emsworth Rd.
Light, W. R., & Son, 475 Commercial Rd.
Perkins, —, Clive Rd., Fratton
Privett, F. J., Playfair Rd., Southsea
Quick, T. W., 32 Exmouth Rd., Southsea
SALTER, S., Government Contractor. Office and Works, Yorke St., St. Paul's Rd., Southsea.
Scammell, G., 81 Lake Rd., Landport
Spriggins, E. & A., Winstanley Rd., Stamshaw
Tanner Bros., Castle Rd., Southsea
Ward, W., Coburg St., Fratton

RINGWOOD.
Alexander, W. E.
Barrow, H.

ROMSEY.
Goulding & Son, The Hundred
Grace, J., Braishfield (& Wellsinker)
Grace, J., Station Rd., (Stonemason)
Gradidge, W., Michelmersh
Read, W. H., & Son, Broadwater
Roles & Son, Bell St.
Wheeler, G., & Sons, Porters' Bridge St.

ST. MARY BOURNE.
Broad, J.

SHOLING, Southampton.
Musselwhite, W., Church Rd.

SILCHESTER, Mortimer, S.O.
Goddard & Son

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Bailey, J., 9 and 11 Bridge Rd.
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Barter, C., 50 High St., Shirley
Brazier & Son, 23 Canal Walk
Brinton & Bone, 17 Marsh Lane.
Cawte, H., Church St., Shirley
Clark & Son, Bitterne Park
Coston & Co., Ltd., 14 Millbrook Rd.
Daysh, C., Grove Rd., Freemantle
Doggrell, A., & Son, 22 Park Rd., Belle Vue
Domoney, P. R., 129 St. Mary's
Dyer & Sons, Bevois Hill Rd.
Franklin, W. (Exors. of), Portswood
Golding & Ansell, Richmond Wks.
Harris & Son, Charlton Rd., Freemantle
Holt, J., & Son, Shirley Rd., Freemantle
Houghton & Small, Bitterne
Jenkins & Sons, Ltd. 149 Above Bar.
Jupe, W., Cobbett Rd., Bitterne
Kimber, F., Portswood Rd.
Lawrence, H., Bitterne Park
Neale, W. H., 29 South Front
Nichol, J., Bitterne Park
Oake & Sons, Bargate St.
Osman, F., Commercial Rd., Four Posts
Perrin, W., 100 Regent St.
Potts J., Bargate St.
Playfair & Toole, Northam Bridge
Rashley, & Son, 14 Archer's Rd.
Rowland, J., 62 Cedar Rd.
Russell, S., 14 & 15 Windsor Terrace
Stevens, H., & Co., 126 Above Bar
Stiles, T. H., 9 St. Mary's Rd.
Udall, J. J. & Co., 36 Carlton Place
Ward, W., 113 Avenue Road
Warden, A., 24 Silverdale Rd.
Wright, A., & Son, York Bldgs.
Young, F. & J., Clovelly Rd.

SOUTHBOURNE-ON-SEA.
Butler, H. J., The Undercliffe

SOUTHSEA (*see Portsmouth*).

STOCKBRIDGE.
Gilbert, H.
Heaven, G., Chilbolton, near
Palmer, —

SWANWICK, Southampton.
Hackett, G. H.

TITCHFIELD.
Beer, A. S., Bridge Rd.
Chase, W., East St.

TOTTON, near Southampton.
Roles, W., & Son, Rumbridge St.

WATERLOOVILLE, Cosham.
Edwards, J., & Son

WESTMEON, Petersfield.
Read, W., Steam Joinery Works

WHITCHURCH, Petersfield.
Gilbert, J. W., Fair Close Villa
Weeks, G.

WICKHAM, Fareham.
Conway, C.
Knight Bros.

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Avery, E., 3 St. James's St.
Bascomb, F., St. Cross
Carter, A., St. Thomas St.
Carter, E., & Son, 69 Eastgate St.
Fielder & Son, Westgate Works
Grace, T., Wyke Rd.
Hughes, A., 3 St. John's St.
Jacob, J. W., Fulflood
Lay, A., 18 Parchment St.
Savage, F., & Sons, Cheesehill St.
Shearman, W., & Son, Southgate Rd.
Weeks, G., 53 Parchment St.

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References to the leading Architects in London and the Provinces.

WINTON, Bournemouth.
Belbin, C. H.
Cox, A., Waterloo Rd.
Holly, F., Wood End Rd.
Long, A. J.

WOOLSTON (*see Itchen*).

Herefordshire.

BROMYARD.
Amiss, A., Milvern St.
James, W., The Knapp
Lewis, G., Sherford St.
Newbold, A., High St.
Rouse Bros., New Rd.
Welsh, W., New Rd.

COLWALL.
Oatridge, F., Upper Wyche

FOWNHOPE, Hereford.
Stone Bros.

HEREFORD.
Beavan & Hodges, Victoria St.
Bowers, W., & Co., Bath St.
Cooke, C., St. Owen's St.
Court, G., Lyston, near
Davies, Evan, Bath St.
Friend, R. L., Victoria St.
Lewis, W. P., & Co., Commercial Rd.
Powell, W., White Horse St.
Rowberry, W., 131 St. Owen's St.
Taylor, R., St. Nicholas St.
Wilks, E. W., Whitecross St.

KINGTON.
Hamer, B. A.
Morgan, R.

LEDBURY.
Hill, G., Homend St.
Smith D., Homend St.

LEOMINSTER.
Davis, J. H., The Vinery
Edwards, C., Mill St.
Watkins, J., Bridge St.

ROSS.
Kemp, J. B., & Sons, Millpond St.
Lewis, W. E., Broad St.
Peachey, W. R., Wilton
Ryall, T. W., Station St.

WESTON-UNDER-PENYARD.
Smith, W. H.

Hertfordshire.

ABBOTS LANGLEY, King's Langley, S.O.
Busby, —
Glenister, E., High St.

ASHWELL, near Baldock.
Bailey, F. J.

BALDOCK.
Jackson, R., High St.
Raban, T., & Sons

BARLEY, Royston.
Parker, T.
Savill, T.

BARNET.
Bartlett, H. F., Sebright Rd.
Baughen, J., & Son, Church Passage, High St.
Baughen Bros., High St.
Harrisson, H., Dury Rd., Hadley Grn.
James, W., 177 High St.
Pearson & Son, Stafford Rd.

W. H. SHARPE,
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121 and 123 Salisbury Road, BARNET, HERTS.
Works executed and in progress in 1906:—
Billiard Room, Hot Water Fitting, Underpinning, Stables and Drainage to Arkley House, Arkley. Laboratory at Girls' Grammar School, and addition to Hardwick House, Manor Road, Barnet.

Williams, R., 47 Salisbury Rd.

BERKHAMPSTEAD
Harrowell, W., High St.
Jones, A., High St.
Matthews, H. & J., Castle St.
Osborn & Son, 292 High St.
Young & Horne, High St.

BISHOP'S STORTFORD.
Cannon, F., Hockerill
Franklin, A., Hadham Rd.
Glasscock, J. L., & Son, Station Rd.
Levey, A., Rye St.
Martin, C., South St.

BRAUGHING, Ware.
Marshall J.

BREACHWOOD GREEN, Welwyn.
Mardle, W.

BROXBOURNE.
Hunt, J. A., High St.

BUNTINGFORD.
Nevett, W., High St.

BUSHEY.
Beeson, —

John Field,
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Pratt, B., High St.

CHESHUNT.
Archer, C. & R., Turner's Hill
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Telegrams: Darvell, Chorleywood.

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Beamiss Bros.

DATCHWORTH, Stevenage.
Lawrance, F. A.

Hertfordshire—*continued.*

ELSTREE.
Brown, W., & Son, High St.
Staples, L., Barnet Lane

HARPENDEN.
Coburn, G., Cowper Rd.
Foot, J., Crown Works
Hall, H. & R., Cowper Rd.
Jarvis, E. C., Estate Office, Moreton Avenue
Phillips & Blake, High St.
Salisbury, H., & Son, Leyton Rd.

HEMEL HEMPSTEAD.
Honour, J., & Son, Alexandra Rd.
Horn, E., & Son, 35 Marlowes
Sear, W., 7 Marlowes
Smith, S. C., 72 Picotts End
Youngman, H., 61 Marlowes

HERTFORD.
Ekins & Co., Ltd., Old Cross
Ginn, R., & Son, St. Andrew's Works
Gray, W., Hertford Heath
Green, R. W., Trinity Works, Bengeo
Kemp, E. R., Talbot St.
Rayment, J. J., & Son, Maidenhead St.
Scales, A., Hertingfordbury Rd.

HITCHIN.
Allen, W., Bancroft
Barker, P. H., & Son, Bancroft

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French, W., Whinbush Rd.
Jeeves, W., 40 Queen St.
Knight, J., 65 Nightingale Rd.

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Baron Manners.
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C. W. Talbot Ponsonby, Esq.
Lady Jane Van Koughnet.
Lady Marjorie Graham.
His Grace the Duke of Bedford.
F. Delmè Radcliffe, Esq.
Frederic Macmillan, Esq.
T. F. Harrison, Esq.
F. C. Selous, Esq.
Lieut.-Col. Sir H. E. Clarke, Westfield, Hatfield.
Messrs. Powell & Co., Lewes.
Miss Antrobus, Farnham.
Messrs. Rutter, Son & Lloyd, Abbey Gate, Bury St. Edmunds.
L. E. Tubbs, Esq., Potters Bar.
A. C. Hunter, Esq., 6 Westbourne Terrace, Hyde Park, London.
Detmar Blow, Esq., F.R.I.B.A., 9 King's Bench Walk, The Temple, London.
W. Lintott, Esq.
Sir Alfred Reynolds,
And many others.
References from Architects and others on Application.

Seymour, W., & Son, Queen St.
Warren, G., Walsworth Rd.
Willmott, J., & Sons, Walsworth Rd.

HODDESDON.
Hampton, J.
Hunt, J. A. (R.P.), High St.
Nicholls, J. W., High St.

KIMPTON, Welwyn.
Goldhawk & Son

LETCHWORTH, near Hitchin.
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Builder and Contractor,
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ESTABLISHED OVER 70 YEARS.
List of Works executed under various eminent Architects can be submitted if desired.

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Bradley, W., & Son, Cockfosters, near
Butcher, T., Lancaster Rd.
Daniels & Son, Victoria Rd.
Ellwood, J., East Barnet Rd.
Porter, J., Plantagenet Rd.
Prentice, A. E., Lancaster Rd.

NORTHAW, Potters Bar.
Howlin, E. J.

NORTHCHURCH, Berkhampst'd.
King, W. D., New Rd.

PUCKERIDGE.
Cates, F., High St.

REDBOURN, St. Albans.
Pratt, J.

RICKMANSWORTH.
Beeson & Sons, Church St.
Davis Bros., Church St.
Peddle, J., High St.

ROYSTON.
Gimson & Co., Baldock St.
Hinkins, W. H., High St.
Jacklin & Co., North Works

ST. ALBANS.
Boff Bros., Park St., near

J. T. BUSHELL,
Builder & Contractor,
ST. ALBANS.
Works executed include—
Alterations and Additions to Heathfield House, Hertford Heath, for Commander Neate, R.N.
New Warehouse and Additions for Messrs. Munt-Brown & Co.
New Stables for W. H. Speer, Esq.; F. W. Kinneir Tarte, Esq., Archt.
New Factory at St. Albans for the Dangerfield Printing Company.
New Factory for Edwin Lee, Esq.; Messrs. Wylson and Long, King William Street, Strand, Archts.
New Factory and Additions for Messrs. J. Freshwater & Co., Ltd.
Restoration of Colney Heath Church
Alterations and Additions to Colney Heath Board Schools; T. F. Woodman, Esq., Archt.
Alterations and Additions to London Colney Schools; F. W. Kinneir Tarte, Esq., Archt.
Additions to Printing Works for Messrs. Gibbs & Bamforth; T. F. Woodman, Esq., Archt.
Seven New Residences in Bedford Park: T. F. Woodman, Esq., Archt.
Rookbury, Lyndene, Scarsdale House, Monkbarns, Calthorpe, and

Hertfordshire—*continued.*

J. T. BUSHELL—*continued.*

5 Villas, Gombard's Estate; P. C. Blow, Esq., Archt.

Rebuilding Bleaching and Dyeing Works after fire, for Messrs. Hitchcock & Son; P. C. Blow, Esq., Archt.

City Saw Mills and Stores, for Messrs. H. Arnold and Co.; W. H. Brown, Esq., Archt.

New Residence for Edwin Lee, Esq.; P. C. Blow, Esq., Archt.

Oaklands and Chevington, Clarence Rd., for W. A. Clarke, Esq.; Messrs. Baker and May, Colchester, Archts.

Boro' Gate, St. Peter's Street, for John Pratt, Esq.; Messrs. Cox & Silk, Newhall St., Birmingham, Archts.

46 Houses, Fleetville Estate, for Thomas Smith, Esq.; T. Foster Woodman, Esq., Archt.

2 Residences in Spencer Park; H. E. Hansell, Esq., Archt.

3 New Residences in Russell Avenue, for Mrs. Parrott; Messrs. Smee and Mence, Archts.

Completion and Decoration of Great Red Lion Hotel, and Stables, for Messrs. Benskin, Ltd.; H. F. Pollard, Esq., Archt., 6 York Bldgs., Adelphi.

2 Residences, Hall Place Gardens, for H. Leake, Esq.; Samuel Leake, Esq., Archt., Kettering,

New Swimming Baths for St. Albans Corporation; G. Ford, Esq., Surveyor.

Dumpleton, C. W., Culver Rd.

EZRA DUNHAM,
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65 Victoria St.,
. . St. ALBANS.

Works recently executed—

St. Saviour's Church, St. Alban's, £14,000.

Wesleyan Church, St. Alban's, £5,500.

House, etc., for Mr. F. Mead, £5,000.

Sanitary Laundry, St. Alban's, £3,500.

Villas in Clarence Rd., Ridgmont Rd., London Rd., St. Peter's Park, Harpenden, Radlett and elsewhere.

Additions to "Bucknall's," for F. Taylor, Esq., £4,500.

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CHURCHES.

New Church at Luton; J. R. Brown, Esq., and G. Vialls, Esq., joint Archts. Restoration Works at St. Albans Abbey, under Sir Gilbert Scott, Archt. Rebuilding Barnet Church; Archt., W. Butterfield, Esq. Additions, etc., to Church at Kings Langley; Archt., G. P. G. Hills, Esq. New Church at Hackney; Archt., P. Morley Horder, Esq. New Church, Bushey, Herts; P. Morley Horder, Esq., Archt. New Church, St, Albans; Messrs. Smee & Mence, Archts. New Roman Catholic Church, St. Albans; Claude Kelly, Esq., Archt. St. George's Church, Hornsey; J. S. Alder, Esq., Archt.

HOSPITALS.

New Buildings at Gore Farm Hospital; Archts., Messrs. A. & C. Harston. New Hospital, St. Albans; Archt., Alex. Graham, Esq. New Smallpox Hospital at South Mimms; J. Barnes Williams, Esq., and Keith D. Young, Esq., joint Archts. New Sisters' Hospital, St. Albans, for Sir J. Blundell Maple, Bart.; M. M. Glover, Esq., Archt.

HOMES.

New Epileptic Homes, Chalfont St. Peter; Maurice B. Adams, Esq., Archt.

SCHOOLS.

New Pupil Teachers' Centre at Barnsbury; Additions to Olga Street Schools; for London School Board; Archt., T. J. Bailey, Esq. Two New Board Schools, St. Albans; Archts., Messrs. J. & S. F. Clarkson. New Schools at Aldenham and Radlett; Archt., Sir A. W. Blomfield.

FACTORIES.

New Printing and Lithographic Works, &c., at St. Albans, for Messrs. Orford Smith, Ltd.; Archt., G. P. Smedley, Esq. New Printing Factory, &c., at St. Albans, for Smith's Printing and Publishing Agency; Archt., T. Foster Woodman, Esq. New Printing Factory at Willesden, for Messrs. G. Philip & Son; Archts., Messrs. Arding, Bond & Buzzard. New Factory at Edmonton, for Aerators, Ltd.; Archt., R. D. Oliver, Esq. New Brush Factory at Apsley End, for Messrs. G. B. Kent & Sons; Archt., W. Campbell Jones, Esq.

HOTELS, SHOPS, &c.

Rebuilding Nos. 369, 371 and 373 Oxford St., and Nos. 35 and 36 South Molton St., London; Archt., E. Keynes Purchase, Esq. Rebuilding Peahen Hotel, New Stables, Shops, &c., London Road, St. Albans.

GAS WORKS.

New Retort House, &c., at St. Albans Gas Works; Engineer, A. F. Phillips, Esq. New Retort House, &c., at Luton Gas Works; Engineer, W. R. Phillips, Esq. New Retort House, &c., at Hemel Hempstead Gas Works; Engineer, A. F. Phillips, Esq.

ESTATE WORK, PRIVATE RESIDENCES, &c.

Works at Aldenham, for Lord Aldenham; Archts., Messrs. Woodd & Ainslie. Additions to Mansion, Childwickbury, for Sir J. Blundell Maple, Bart.; Archt., Col. Edis. New Stud Farm and Estate Buildings, Childwickbury, for Sir J. Blundell Maple, Bart. Alterations and Additions at Moonhill, Cuckfield, Sussex, for W. Lloyd, Esq.; Archt., P. Morley Horder, Esq.

And numerous other works.

Savage, H., Verulam St.
Skelton, H. J., Lyndhurst, Hatfield Rd.
Stanley, F. W., Worley Rd.
Vail & Shore, 58 Culver Rd.

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Chapman, C., High St.

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Austin, W., & Sons, Letchmore Green
Newton, F.
Shrouder & Matthews
Spratt, W. J., High St.
Toll, E., Green St.

TRING.

Fincher, H., Western Rd.
Honour, J., & Son, Akeman St.
Smith, E., & Son, Brook St.

WALTHAM CROSS.

Jennings & Grenfell, Freezywater
Lawrence, W., & Son, Canal Works

WARE.

Copsey, J., High Oak Rd.
Dewsbury, E., New Rd.
Hitch, F., High St.
Hunt, T., Baldock St.

Hertfordshire—*continued.*

WARESIDE, Ware.

Thake, W.

WATFORD.

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Bracey & Clark, 129 Leavesden Rd.

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Isolation Hospital, Stanmor; J. A Webb, Esq., Archt. About £7,000.

Congregational Church, Watford; Messrs. Gordon & Gunton, Archts. About £7,000.

Wesleyan Church, London Road, Norbury, Surrey; Messrs. Gordon and Gunton, Archts. About £11,000.

Large Printing Works, Watford; Messrs. Bartlett and Ross, Archts. About £15,000.

Wesleyan Mission Hall, Bromley; Messrs. Gordon & Gunter, Archts. About £11,000.

Wesleyan Church, Bushey, Herts; Messrs. Bell, Withers & Meredith, Archts. About £6,000.

Brown, H., Whippendell Rd.
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Nat. Telephone 0300 Watford.

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Goss, J. & J., Liverpool Rd.
Hutt, E., 148 Queen's Rd.
Judge, W., 152 High St.
King, W., 41 Market St.
Longman, J., King St.
Murray, J. W., & Son, 186 St. Albans Rd.
Rodwell, J., Bushey Hall Rd.
Saw, A. E. & C., Wippendell Rd.
Tennant, T., Langley Rd.
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WATFORD.

Works executed include—

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Houses, Westfield Park, Pinner, for T. F. Blackwell, Esq., J.P.; Messrs. Roumieu & Aitchison, Archts.

Metropolitan Police Station, Elstree; J. Butler, Esq., F.R.I.B.A., Archt.

Beechen Grove Baptist Chapel & Lecture Hall, Watford; J. Wallis Chapman, Esq., Archt.

Oxhey Church, Watford; W. H. Syme, Esq., F.R.I.B.A., Archt.

Malting, for Messrs. Benskin & Co., Watford; Messrs. A. Kinder & Son, Archts.

House and Stabling, Woodcock Hill, Elstree, for R. Warton, Esq., T. E. Collcutt, Esq., F.R.I.B.A., At.

House, Northwood, for A. Richardson, Esq., P. Leslie Waterhouse, Esq., M.A., A.R.I.B.A., Archt.

House and Lodge, Harrow Weald, for John Dalton, Esq.; Arnold Mitchell, Esq., F.R.I.B.A., Archt.

The Orchard, Sudbury Hill, Harrow; Arnold Mitchell, Esq.'s own Residence.

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House, Royston Park, Pinner, for J. H. Shankland, Esq.; A. N. Prentice, Esq., Archt.

Additions and Alterations, Caen Wood Towers, Highgate, for Sir C. F. Cory Wright; Geo. Ernest Neild, Esq., Archt.

The Lawns, Chalfont, Bucks; Geo. Ernest Nield, Esq.'s own Residence.

St. Paul's Church, Bushey; Austin Durst, Esq., M.A., Archt.

Additions and Alterations, Churchill, Boxmoor, Herts, for Edwd. A. Mitchell Innes, Esq., Wm. Wallace, Esq., Archt.

Residence and Stables, Felden, Boxmoor, for Dudley W. Buxton, Esq., M.D., Arnold Mitchell, Esq., F.R.I.B.A., Archt.

Residence, Rickmansworth, Edwd. A. Peters, Esq., F.R.C.S., Arnold Mitchell, Esq, F.R.I.B.A., Archt.

Houses, Bushey Hall and Aldenham Road, Bushey; Austin Durst, Esq., M.A., Archt.

Watkins, H. B., Bruce Grove
Wiggs, G., 92 St. Albans Rd.

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Huntingdonshire.

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Carine, M., Auckland Grove
Cain, J., Circular Rd.
Clarke, D., Peveril House
Corlett, R., 3 Woodland Terrace
Cowle, J., & Son, St. George's St.
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Douglas, J. E., 9 Woodbourne Sq.
Douglas, R. F., Brunswick Rd.
Fargher, W. J., 6 Park Rd.
Forrest, F., Woodburn Rd.
Gill, A., Little Switzerland
Kaye, A. G., 31 Castle St.
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PEEL.

Anderson, D., Parade
Craine, T., 8 Orry Lane
Crowe, F., Christian Rd.

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Callow, J., Coburg Rd.
Callow, J., & Son, West Quay
Callow, W., Waterloo Rd. (Mason)
Christian, E., Parliament Sq. (Mason)
Corkhill, R. G., Derby Rd.
Corrin, R. E., Brough Hill Rd.
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Mills, W., Market Pl. (Painter, &c.)
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Isle of Wight.

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Gould, J., Pound Green
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Colenutt, S.
Cotton, G. F., Hillside
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Hayden, E.
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Langdon, C., Player St.
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Osborne, E. R., Union St.
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Moorman, L. A., Lake St.
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Matthews, H. E.

SHANKLIN.

Cooper, F. & Co., Grange Rd.
Hayles, G., Wilton Rd.
Miller, J., North Rd.
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Downer, W.
Paul, W. H.

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Daish, A., Belgrave Rd.
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Sims, A., Trinity View
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Linnington, H.
Wallis, J.

YARMOUTH.

Salter, F. S.

Isle of Wight. *continued.*

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Works executed include—
Additions and Alterations, Grantham Lodge, for the late John Gretton, Esq. New Wing, Coach House, Stables, Dairy, &c., to Oakfield, Wootton Common, for the late T. C. Clarke, Esq., F.R.I.B.A. New Roof and Renovation of Shalfleet Church; the late W. T. Stratton, Esq., Archt. Residence, Totland Bay, for T. Aitken, Esq.; the late Ernest Turner, Esq., F.R.I.B.A. New Board Schools, Hunny Hill, Newport. Messrs. Stratton and Millgate, Archts. New Board Schools, Barton's Village, Newport; Mr. E. A. Swane, Archt. National & Provincial Bank, Newport; the late J. Gibson, Esq., F.R.I.B.A. New Roof, &c., Shorwell Church; P. G. Stone, Esq., F.S.A., Archt. Mission Hall, Newport, for S. Peters, Esq.; Mr. E. A. Swane, Archt. The Seamen's Almshouses, East Cowes; Messrs. Somers Clarke and Micklewaithe, F.R.I.B.A., F.S.A., Archts. Residence, Ryde, for Major Murray; S. Salter, Esq., F.R.I.B.A., Archt. Residence, Ryde, for Lieut.-Colonel Murray; Messrs. Newman and Cocks, Archts. Alterations to Nettlestone House, for T. O'Hagon, Esq.; J. W. Walmisley, Esq., F.R.I.B.A., Archt. Residence, Wootton Common, for Canon Phillips; Messrs. T. C. Clarke & Son, Archts. Swan Hotel, Newport; W. West, Esq., Archt. New Residence, Brighstone, I.W.; W. C. Street, Esq., F.R.I.B.A., F.S.I., Archt. Restoration Works at Carisbrooke Castle, for H.M. Office of Works. Alterations to "Westcliff," Bembridge, I. W., for Captain Davenport; Paxton Watson Esq., A.R.I.B.A., Archt.

Recent Works: Pavilion, Entrance Lodge and Gates to Recreation Ground, for the Corporation of Newport, I.W.; Messrs. Lemon and Blizard, Archts. New Residence at Shorwell, I.W., for R. Way, Esq.; P. G. Stone, Esq., F.R.I.B.A., F.S.A., Archt. Free Library and Technical Institute, for I.W. County Council; W. V. Gough, Esq., Archt. Additions to "Bellecroft," Newport, I.W., for the late William Russell Cooke, Esq.; P. G. Stone, Esq., F.R.I.B.A., F.S.A., Archt. Alterations Osborne House, for H.M. Office of Works. Alterations & Additions I. W. Infirmary and County Hospital; T. W. Cutler, Esq., F.R.I.B.A., F. San. I.; New Coast Guard Buildings, Sea View, I.W., for the Lords Commissioners of the Admiralty. Alterations and Additions to "The Grange," near Newport, I.W., for E. C. Langton, Esq.; Messrs. Stratton & Millgate, Archts. Alterations and additions to "Northcourt," Shorwell, for Mrs. Disney Leith; P. G. Stone, Esq., F.R.I.B.A., F.S.A., Archt. Restoration Carisbrooke Church Tower; Edward J. Prior, Esq., F.S.A., Archt.

In Progress: Residence, Fishbourne, for Gordon Sinden, Esq., E. Morley Horder, Esq., F.R.I.B.A., Archt. Bible Christian Chapel, Gunville; S. Tomkins, Esq., Archt.

Kent.

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Baker, W., & Co. see Advt.)

Kent—*continued.*

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Langton Dennis, Esq.
Messrs. W. Eve & Son
Messrs. Ernest George & Yeates
Messrs. Evans & Son
Banister F. Fletcher, Esq.
Thurlow Finn, Esq.
George Friend, Esq.
W. Duval Goodwin, Esq.
G. Hornblower, Esq.
W. J. Jennings, Esq.
Messrs. Jeffery & Lacey
Thos. Kissack, Esq.
Chas. E. Mercer, Esq.
A. Willmer Pocock, Esq.
E. Pover, Esq.
Alex. R. Stenning, Esq.
The late F. W. Tasker, Esq.

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Graham, T., & Co., Church Hill
Green, F. W., 62 Beckenham Rd.
Jacob, F., Avenue Rd.
Jones & Andrews, Crescent Works
Kick, G. J., 10 Bromley Rd.
Palmer, E. R., 17 Wickham Rd.
Syme & Duncan, 22 Blakeney Rd.

BELVEDERE.

Chandler, H. E.

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Elms, A. G., High St.
Green, T. B., & Co., 8 Oxford Place
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Kent—*continued.*

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KENT.

List of Contracts carried out:

CHURCHES—
Boughton Monchelsea, Kent.
Headcorn, Kent.
Loose, Kent.
East Sutton, Kent.
Sutton Valence, Kent.
Chart, Sutton, Kent.
Egerton, Kent.
Hucking, Kent.
Bicknor, Kent.
Mission Church, Boughton Monchelsea.
Rosherville Church, Gravesend.
Blindley Heath Church, Surrey.
New Mission Church, Godstone, Surrey.
Baptist Chapel, Loose, Kent.
Detling Church, Kent.
Ragstone Masonary for East Farleigh and Ashford Churches, Kent.
Ragstone Work for New Roman Catholic Church, Stamford Hill, London.
Ragstone Work for New Church at Dorking.
Ragstone Work for New London and County Bank, Chatham.
Ragstone Work for New Bank at Margate, &c., &c., &c.
Conservatory and Vineries, East Sutton Park, Sir Robert Filmer, Bart.
Conservatory & Vineries, Marden, for A. Campbell, Esq.
Conservatory & Vineries, Wierton, Boughton Monchelsea. H. G. Kleinwort, Esq.
Conservatory & Vineries, Marden, for Lord Magheramorne.
Winter Gardens at Gennings, Hunton, for J. Bazley White, Esq.

RESIDENTIAL WORKS—
Enlargement at Wierton House, Boughton Monchelsea.
New House at Wrotham, for Tidman & Sons, Architects.
Additions to House, at Rumwood, Maidstone, for W. S. Forster, Esq.
Redheugh, Sutton Valence, for Col. Elliott.
Park House, Marden, for Lord Magheramorne.
Chantry Place, Marden, for E. A. D. White, Esq.
Restoration of Husheath Manor, Staplehurst.

PUBLIC & PRIVATE WORKS—
New Convalescent Home, Cranbrook, for Passmore Edwards, Esq.
Additions to Sutton Valence Grammar School, for Clothworkers' Company.
New Gymnasium and Sanatorium for Clothworkers' Company.
New Gas Works at New Romney.
Additions to Schools at Ashford, Kent.
Additions to Schools, East Sutton, Kent.
Additions to Schools, Chart Sutton.
Additions to Schools, Boughton Monchelsea.
New Institute, Langley, Kent.

SANITARY & DRAINAGE WKS.
Entirely New Drainage and Sanitary Works to Clothworkers' Schools, Sutton Valence.
Ditto, with Sewage Outfall and Septic Tanks, at Linton Park Mansion, for F. S. W. Cornwallis, Esq.
Ditto, to West Malling Union.

JAMES WOOD & SONS—*continued.*

Ditto, to East Sutton Park Mansion.
Ditto, to Wierton Park Mansion.
Ditto, to Wierton Grange Mansion.
New Drainage and Sewage Outfall and Model Farm Buildings at Tongswood, Hawkhurst, Kent.
New Model Farm Buildings at Wierton Farm and Amberfield Estates, for H. G. Kleinwort, Esq.
New Administrative Blocks of Buildings at West Malling Union.

ARCHITECTS, ETC., FOR REFERENCES—
G. Friend, Esq., Maidstone.
H. Bensted, Esq., Maidstone.
Ruck & Smith, Maidstone.
W. & C. Bassett-Smith, Adam St., Adelphi.
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Sir A. Blomfield & Son, 6, Montague Place. Baker Street.
Chas. Grieve, Esq., Lamb's Bdgs., Temple.
W. D. Caroë, Esq., Whitehall Place, London.
E. C. Frere, Esq., Lincoln's Inn Fields, London.
Hon. A. McGarel Hogg, Lincoln's Inn Fields, London.
A. J. Style, Esq., Victoria Street, Westminster.
Tidman & Sons, Victoria Street, Westminster.
Jeffery & Lacey, Ashford, Kent.
E. B. Ellis, Esq., Fenchurch Street, London.
Winch & Sons, Estate Agents, Cranbrook.
E. H. Kenderdine, Esq., Queen Anne's Gate, Earl Romney Estate, Westminster.
Geo. Champion, Esq., Cornwallis Estate, Linton, Maidstone.
Geo. Smith, Esq., Estate Agent, Boughton Monchelsea.
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J. S. Heron, Esq., 24 Lawrence Lane, Cheapside, E.C.

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Works executed include—

Victoria Gardens, £4,000; Carlton Hotel, £2,500; G. Graham Tucker, Esq., Archt., Ramsgate. Four Residences on North Foreland Estate, £5,000; Messrs. Francis Chambers, & Son, Archts., 11a College Hill, E.C. Bungalow, North Foreland, £1,200; E. Moodey, Esq., Archt., Broadstairs. Girls' and Infants' School, St. Peter's, Thanet, £2,800; J. E. Newberry, Esq., 21 Queen Anne's Gate, S.W., and H. B. Langham, Esq., Ramsgate, Joint Archts. Alterations to Boys' School, St. Peter's, £1,200; H. B. Langham, Esq., Archt. New Wing to St. Peter's Orphanage and Convalescent Home, £600; A. J. Style, Esq., Archt., 3 Victoria Street, S.W. "Elmwood," St. Peter's, Billiard Room, Stables and Coach House for Lord Northcliffe; Rebuilding Old Callis Grange, St. Peter's, for N. B. Garstin, Esq. Alterations and additions to Callis Court House; Ernest Flint, Esq., Archt., 80 Coleman Street, E.C. Stone Farm House; Chas. Reeve, Esq., Archt., Margate; Villa Residence, St. Peter's, for B. Beach, Esq., £2,200; E. E. Moodey, Esq., Arch., Broadstairs. Villa Residence, for T. B. Robinson, Esq., £1,800; Chas. Reeve, Esq., Archt., Margate. Remodelling and Re-roofing to "Westcliffe," Broadstairs, for T. Pocklington, Esq., £2,000; G. Hamblin Fox,

Kent—*continued.*

JOHN T. MAY—*continued.*

Esq., Archt., 9 John St., W.C. Two New Shops, High St., Broadstairs, for Jacob Lewis, Esq., Margate, £800; Chas. Reeve, Esq., Archt., Grosvenor Place, Margate. New Villa, St. Peter's Rd., Broadstairs, for Miss Marshall, Stanmore Villa, Broadstairs; £850. Re-draining Dane Court, under Messrs. Rogers, Field & Bean, Civil Engineers, 124, Victoria St., Westminster, S.W.

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Hill & Gurr, West St.
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Smith, W., & Sons, Gravel Rd., Bromley Common

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W. J. ADCOCK,
CONTRACTOR,
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Among the important works executed are the following:

GOVERNMENT CONTRACTS.
Reigate Hill, Fort W.D.
New Forts, Westerham Hill.
New Coastguard Station, Dungeness, No. 2 Battery.
Officers' Quarters, Inkerman Barracks, Woking.
East Tilbury, Battery and Forts.
Drainage Cavalry Barracks, Canterbury and Shorncliffe Camps.

BREWERIES.
Alterations and additions, Star Brewery, Canterbury,
Alterations and additions, Phœnix Brewery, Dover.

HOTELS, &c.
Metropole Hotel, Folkestone, £54,000.
Granville Hotel, Ramsgate, £48,500.
Queen's Hotel, Herne Bay.
White Lion Hotel, Cheriton, Folkestone.

CHURCHES.
Additions, including seating, Holy Trinity Church, Margate, £13,000.
Restoration Parapets, St. George's Church, Ramsgate.
Restoration, St. Mary's Church, Dover.
Restoration, Ickham Church near Dover.

SCHOOLS AND COLLEGES.
New Junior School, St. Edmund's School, Northdown Hill School, Cliftonville, Margate.
Reconstructional Works, St. Augustine's College, Canterbury.

MANSIONS, &c.
Kingswalden Bury, Herts, £26,800.
Canterbury Lunatic Asylum, £40,000.
Alterations and additions to Highham, Canterbury, £8,000.
New Buildings, Queenboro' Copper Co.
New Septic Tank Drainage Works for Harbledown Parish, Canterbury.

BANKS.
New London and County Bank, Chatham.
Union of London and Smith's Bank, Canterbury.

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Belsey, H. J., 43 Norman Rd.
Brewster, A. J., 12 St. Peter's St.
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Cozens (see Advt.)
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Underground Convenience for the Canterbury Corporation.
Roman Catholic Schools, Canterbury (£3,500).
Billiard Room and Renovation of Private Residence, Bourne Park, Bishopsbourne.
Engine and Boiler House, Shaft, Engineer's Residence, and 4 Cottages for the Margate Corporation New Waterworks (£10,000).
Renovation of Residence and New Stabling for the Rev. Dr. Moore, Cathedral Precincts, Canterbury.
Drainage System & Sanitary Work, Junior King's School, Canterbury.
Additional Wing, Simon Langton Schools, Canterbury (£5,000).
Coastguard Station for Admiralty, Rye, Sussex (£2,400).

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Canterbury.

Works executed include—

Schools, Laboratories, Gymnasiums, Parish Rooms, Tannery Buildings, Depositories, Hospitals, Official Quarters, Farm Buildings, Villas, Shop Fronts, Sanitary Arrangements and New Drainage to Colleges, Unions, and Public Buildings, under various Architects, Surveyors, and Engineers.

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Wiltshire, G., 13 St. John's Lane
Wiltshire, J. E., Stour St.

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Carter, G., 5 Clifton Villas, Lt. Heath
Dodd, W. G., Antigallican Yard
Grant, F., The Village
Purton & Johnson, Woolwich Rd.
Sanford, J. B., & Co., Woodland Ter.
Tamsett & Co., The Village

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Clother, G., & Son, 19 Fair Row
Skinner, C. E., Railway St.
Warner, — The Brook

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Lowe, R. A. (see Advt. on next page)
Otway, J., Mead House Estate
White, B. J., & Son, Camden Ter., Chislehurst West

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DARTFORD.

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Ellingham, J. & Sons, Spital St.
Hewett, E. W., St. Albans Rd.

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Denne, G. H. & Son (see Advt. on next page)
Hayward, J. G., & Son, Wellington Rd.
Wise, J. J. (see Advt. on next page)

DOVER.

Adcock, W. J., Ladywell
Austen & Lewis, 17 Randolph Gdns.
Beaufoy, C. E., 35 High St.
Bromley, W., Charlton Green

Kent—*continued.*

ROBERT A. LOWE,
BUILDER & CONTRACTOR,
Chislehurst.

Works executed include—
Chislehurst—Addition to "Churchill," Sir Aston Webb, R.A., Archt. Cookham Dene; Sir Aston Webb, R.A., Archt. Mansion, "Holly Bowers," £9,000; G. Lethbridge, Esq., Archt. Mansion, "Brakenside," £6,000; G. Lethbridge, Esq., Archt.
Bickley—"Gordon Lodge," Messrs. Hudson & Booth, Archts.
Mottingham—"The Grange" (additions); Messrs. Joseph & Smithem, Archts.
Bromley—Additions to "Aveley," Sir Arthur Blomfield & Sons, Archts.
London—Additions & decorations to 11 Kensington Palace Gardens, £8,400; Chas. Bell, Esq., Archt.
Bickley—Addition to "Coombe Lea;" H. A. Pelly, Esq., Archt.
Poplar—New Clergy House, Follett St.; Messrs. Clarkson, Archts.
Bickley—New Villas, Southborough Road and Shawfield Park; Messrs. Tapp & Jones, Archts. New Semi-detached Villas, Shawfield Park; B. W. Adkin, Esq., Archt.
Sunbridge Park Estate—New villa for Sir Samuel Scott, Bart.; Peter Dollar, Esq., Archt.
Shops & Flats, High Street Improvement, Bromley, Kent, £10,000; Allan Stuart, Esq., Archt.
Additions, Farnborough Church, W. D. Caröe, Esq., M.A., Archt.
Additions, Bermondsey Town Hall, R. J. Angel, Esq., A.M.I.C.E.
Business Premises, Rye Lane, Peckham, E.C., £5,000; Allan Stuart, Esq., Archt.
Vicarage, Sidcup: W. D. Caröe, Esq., M.A., Archt., £2,500.
Warehouses and Stores for Sapon, Ltd., Cubitt Town.
New Residence at Sundridge Park, Bromley; T. P. Figgis, Esq., F.R.I.B.A., Archt., £2,500.

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Recent Works include:—
General Hospital, Walmer Barracks. Director of Works, Admiralty £26,000.
Additions to the Royal Asylum for the Deaf and Dumb; Messrs. J. E. K. & J. P. Cutts, Archts., £14,000.
Carnegie Library, Ramsgate; S. D. Adshead, Esq., Archt., £6,700.
Morley House Convalescent Home, St. Margaret's; G. D. Stevenson, Esq., Archt., £11,000.
Royal Sailors' Rest, Ramsgate; Messrs. A. R. Pite & Sons, Archts., £5,400.
Tower Block at South Eastern College, Ramsgate; Messrs. T. B. Whinney and W. T. Stock, Archts., £7,000.
Additions to St. Edmund's School, Canterbury; Sir A. Blomfield and Sons, Archts., £3,000.
New Augustinian Convent, Westgate-on-Sea; F. A. Walters, Esq., Archt., £20,000.
Mortuary Chapel and other Works at the Royal Sea Bathing Hospital, Margate; Messrs. J. Oldrid Scott and Sons, Archts.
Residence, St. Margaret's Bay; Messrs. T. Dinwiddy & Sons, Archts.

J. J. Wise,
Ecclesiastical and General Builder, and Contractor,
DEAL,
AND AT
WALMER AND WINCHESTER
ESTABLISHED 1790.

Recent Works:—
Extension Chartham Asylum, £40,000. S. E. Hotel, Deal, £25,000. First Portion Canterbury Asylum, £13,000. Buckmaster Convalescent Home, £13,000. Additions Wye College, £10,000. Charlton Church, £11,000. Vine Hospital, Sevenoaks, £8,000. County Hotel, Canterbury, £10,000. Cottage Homes, Manstone, £8,000. Artizan's Dwellings, Deptford and Bermondsey, £12,000. The Great Screen, St. John the Baptist, Kensington, Cloisters, St. Mary of Nazareth, Edgware. Queen's Head, Ramsgate. Croydon County Court Fittings. Church at Wembley.
References to the leading Architects in London and the Provinces.

Chamberlain, A. T., 23 Castle St.
Grigg, W. H., 14 Worthington's St.
Hayward & Paramor, 320 London Rd.
Jackson, W., Heathfield Avenue
Lewis, G. & Sons, Wedred Rd.
Lewis, W. G., 5 Cranbrook Villas
Munro, G., Union Rd.
Parsons, J., Beaconsfield Rd.

DYMCHURCH, Folkestone.
Wraight Bros.

EASTCHURCH, Sheerness.
Bligh, J. R.

EDENBRIDGE.
Goodwin Bros., High St.
Langridge, P. W., Station Rd.
Leigh, F. & H., High St.
West, J. L., Lingfield Rd.

ERITH.
Friday & Ling (see Advt.)
Gunning, H., & Sons, Park Crescent
Wiles, S. & Son, Pembroke Rd.

FARNBOROUGH, S.O.
Owen, W.

FARNINGHAM.
Marchant, H.

FAVERSHAM.
Brenchley, E. B., Athelstan Rd.
Dawson, W. G., 40 Ospringe Rd.
Fuller & Reeve, Boughton, near
Fuller, E., & Sons, Stone St.
Johnson, G., Newton Rd.

Kent—*continued.*

FRIDAY & LING
Builders & Contractors,
15 NURSERY,
NORTHEND, ERITH

List of Works executed:—
Northend Schools, Crayford, Kent, for Kent Educational Committee; Archt., C. L. Morgan, Esq., 43 Cannon St., London, contract, £5,500. Harrow Beer House, Northend, Crayford, Kent; Surveyor, W. Lucas, Esq., of firm of Dann & Lucas, 23 Bridge Row, Cannon St., London; contract £1,126. Electric Light Extension, for Erith Urban Council; Harold Hind, Esq., Surveyor, contract, £2,200. Rebuilding 42 High St., Dartford, for Sir James Whitehead, Bart; W. Harston, Esq., Archt., A.M.I.C.E. Dartford and London, contract, £1,071. Latrines and Urinals, for Vickers, Sons, and Maxim, Erith, under Works Dept.; Supt., C. R. Matthews, Esq., contract, £890. Foresters' Homes, Bexley Heath, for the Committee; A. C. Bloomfield, Esq., Archt., Bank of England, contract, £1,230. Various works under Messrs. Tait and Hobbs, Architects and Surveyors, Dartford, contracts, £1,676. Extension of Bexley Car Sheds, contract, £700.

Judges, W., Boughton, near
Ratcliff Bros. (R.P.), 16 West St.
Whiting, Bros., Ospringe, near

FOLKESTONE.
Baker, D., The Plain
Binfield, S., Dover Rd.
Camburn, A. J., 1 Dover Rd.
Castle, G., & Sons, 2 Broadmead Rd.
Crosswell, F. E., Bournemouth Gdns.
Dunk, W., Tontine St.
Fearon, T. L., Martin Rd.
Gosly, J., 59 Dover Rd.
Hall Bros., Linden Crescent.
Hayward & Paramor, Radnor Rd.
Holden, E. J., 61 Sandgate Rd.
Jenner, C., 49 Broadmead Rd.
Mercer, H. R., 88 Guildhall St.
Moody, T., 51 Brockman Rd.
Newman, J., Dover Rd.
Nicholls, F., 24 Bradstone Avenue
Petts Bros., Dover Rd.
Parsons, —, Radnor Park Crescent
Tunbridge, T., Bournemouth Rd.
Vant, —, Radnor Park Crescent
Webster, R., 47 Brockman Rd.
White, W., 3 Cheriton Place

FRINDSBURY, Rochester.
Gates, G., & Son, Frindsbury Hill
Williams, H.

GILLINGHAM.
Cornelius, T., & Son, Balmoral Rd.
Dobson, W., Linden Rd.
Goodwin, E. J., Canterbury St.
Hogg, R. W., College Avenue
King, W., Prospect House, River St.
Newnham, R. "Chicago," Balmoral Rd.

H. E. PHILLIPS,
Builder and Contractor,
NEW BROMPTON,
CHATHAM, KENT.
Contractor to H.M. War Office.

Works recently executed—
Royal Sailors' Home, Chatham; Archt., G. E. Bond, Esq., Chatham. Barrack Blocks and Mobilisation Stores for the War Department. Salvation Army, Naval and Military Home, Chatham; Archt., Alex. Gordon, Esq., F.S.I., Queen Victoria St., E.C. Board Schools, Glencoe Rd., Chatham; Arch., H. H. Dunstall, Esq., A.R.I.B.A., F.S.I., Chatham.

Snow, W. C., 91 High St.
Watchurst, Son & Jackman, Middle St.

GOUDHURST.

DAVIS & LEANEY,
Builders & Contractors to H.M. Office of Works,
GOUDHURST, KENT.

Works executed include—
Roman Catholic School, Goudhurst; A. E. Purdy, Archt., London.
Post Office, East Grinstead, H.M. Office of Works.
Post Office, Southend-on-Sea, H.M. Office of Works.
Drainage, Horsmonden, Kent.
Additions, Tongswood, Hawkhurst; Messrs. A. Waterhouse & Son, Archts., London.
New Farm Buildings and House, Goudhurst, for R. H. Alexander, Esq.; Reg. Blomfield, Esq., Archt., London.
London & County Bank, Southend-on-Sea.
Capital & Counties Bank, Southend-on-Sea.
Shop and Stores, Messrs. Haward, Tunbridge Wells; Messrs. H.H. & E. Cronk, Archts.
New Schools, Orpington; G. St. Pierre Harris, Esq., Archt., London.
Additions, Skinner's Schools, Tunbridge Wells; W. Campbell Jones, Esq., Archt., London.
New Lodge, New Stables and New Wing to House for the Lady Margaret Cecil Burwash.
London & County Bank, Westcliff-on-Sea.
Capital & Counties Bank, Westcliff-on-Sea.
Roman Catholic Schools and Presbytery, Red Hill; W. Bevan, Esq., Archt., London.
New House, Westgate-on-Sea; S. I. Adams, Esq., Archt.
Additional Storey to Connaught Hotel, Herne Bay.
Technical Schools, Tunbridge Wells; Henry T. Hare, Esq., Archt., London.
Victorian Hospital, Southend-on-Sea.
Baptist Church, Southend-on-Sea.
Parish Hall, Goudhurst; W. L. Lucas, Esq., Archt., London.
Works for the Admiralty, Fairlight, Hastings.
Presbyterian Church, Southend-on-Sea.

GRAVESEND.

W. H. ARCHER & SON,
Builders and Contractors,
GRAVESEND.

Works executed include:—
PUBLIC BUILDINGS.
Jubilee Memorial Clock Tower, Gravesend; J. Johnson, Esq., A.R.I.B.A., Archt.
Fire Station at Grays; C. Cobham, Esq., Archt.
New Almshouses at Gravesend, for Trustees, Pinnock's Charity, £5,000; Messrs. Farrow and Nisbett, A.R.I.B.A., Archts.
Additions to Gravesend Hospital and New Children's Ward; Messrs. W. M. Dean, A.R.I.B.A., and Wadmore & Baker, A.R.I.B.A., Archts.
CHURCHES.
St. Paul's New Church, Erith; R. P. Day, Esq., A.R.I.B.A., Archt.
St. Luke's New Church, Gravesend; Messrs. W. and C. A. Bassett Smith, Archts.
St. George's, New Aisle and Chancel, Gravesend; Messrs. W. and C. A. Bassett Smith, Archts.
RESTORATIONS.
East Wickham Church; Gordon P. G. Hills, Esq., A.R.I.B.A., Archt.
East Tilbury Church; G. Patrick, Esq., A.R.I.B.A., Archt.
St. John's Church, Meopham; G. Friend, Esq., F.R.I.B.A., Archt.
Kingsdown Church; Gordon Hills, Esq., A.R.I.B.A., Archt.

Kent—*continued.*

W. H. ARCHER & SON

continued.

St. Margaret's Church, Ifield; E. J. Bennett, Esq., A.R.I.B.A., Archt.

WORKS.

New Pumping Station for Gravesend and Milton Waterworks Co.; J. Mansergh, Esq., V.P.I.C.E., Engineer. New Generating Station for Gravesend and Milton Gaslight Co.; J. Davis, Esq., Engineer. New Powder Magazines at Lower Hope Point, for Messrs. Hay, Merricks & Co.; C. J. Dawson, Esq., Archt. New Plant Buildings for Ekman Pulp & Paper Co., Northfleet; W. H. Salmon, Esq., Engineer. New Offices at Strood for Messrs. Aveling & Porter, £7,500; G. E. Bond, Esq., Archt.

BREWERIES & MALTINGS.

New Maltings, Additions to Brewery, and New Offices for Messrs. Russell's Gravesend Brewery, Ltd., £16,000. New Maltings for Messrs. Walker & Sons, and New Brewery, £9,000. New Maltings for Messrs. G. Wood & Son, £3,000; Messrs. A. Kinder & Son, and E. J. Bennett, Esq., A.R.I.B.A., Engs. and Archts. New Brewery at Lewes for Messrs. Ballard & Co., £6,500; Messrs. G. J. Worssam, Engineers.

HOTELS & PUBLIC HOUSES.

Several New Buildings at Gravesend, Northfleet, Rosherville, Horton Kirby, Isle of Grain, Faversham and Ramsgate, for Messrs. C. Arkcoll and Co., Messrs. Charrington & Co., Messrs. Russell's Gravesend Brewery, Ltd., Messrs. G. Wood & Son, &c., £30,000.

MANSIONS.

Woodlands, Gravesend, for G. Wood, Esq.; E. J. Bennett, Esq., A.R.I.B.A., Archt. Hillside, Gravesend, for J. Russell, Esq. Elmfield, Gravesend, for W. Fletcher, Esq. Rectory at Chelsfield; Messrs. Somers-Clarke & Micklethwaite, Archts.

SHOPS.

Shops, Gravesend, for E. C. Paine, Esq.; A. G. Smith, Esq., Arch., £4,500. Shops, Gravesend, for G. M. Arnold, Esq.; A. G. Smith, Esq., Arch., £3,000. Shop, Gravesend, for R. J. Beamish, Esq.; J. Johnson, Esq., A.R.I.B.A., Archt., £2,000. Shop, Gravesend, for David Greig, Esq.; W. H. Duffield, Esq., F.R.I.B.A., Archt., £4,000.

Beal & Hubbard, Old Rd.
Dering, J. M., 20 Princes St.
Goose, W. P., 124 Milton Rd.
Hooker, T. W., 20 Whitehill Rd.
Martin, H. W., 5 Royal Pier Rd.
Tong, A. E., Darnley Rd.
Tuffee, W. & F., The Grove

GREENHITHE.

Lockyer, R., High St.

HAWKHURST.

Davis, T., High Gate

LEWIS EDWARDS,
Builder and Contractor,
HAWKHURST.
TELEPHONE—3 Hawkhurst.

Works recently executed include:—

Entrance Lodge and various Works for C. E. Gunther, Esq., Tongswood, Hawkhurst, £3,000; Ed. B. Ellis, Esq., Archt., 18, Fenchurch Street, E.C. Vicarage and Stables for Lord Ashcombe, £3,000; Lacy Ridge, Esq., Archt., 104, High Holborn, W.C. Cottages, Sheds, Stables, &c., for Lord Iveagh, £3,500. Cottages, Oasthouse and Buildings, for Lord Enfield. Almshouses and various Works for the Earl of Cranbrook. Hawkhurst Wesleyan and Baptist Chapels. Ticehurst Wesleyan Chapel. Doctor's House and Stables at Northiam; R. Griggs, Esq., Archt., 11, Gray's Inn Square, W.C. Major H. Fothergill, Copt Hall, Hawkhurst, £3,000, various works.

Maskell, T., & Brother, The Moor Hill
Piper, F., The Moor

HERNE BAY.

Adams, E. T. J., Market St.
Griggs, R. & E., High St.
Harris, T., Brunswick Square

A. S. INGLETON,
Builder, Contractor, and Surveyor,
5 High St., HERNE BAY.
ESTABLISHED 1879.

Works recently executed:—

New Church, St. John the Evangelist, Herne Bay; W. H. James, Esq., Architect; £12,000.

New Church, St. Philip, Norbury; W. H. James, Esq., and the late R. P. Day, Esq., Architects; £4,500.

Parr's Banking Premises, Herne Bay; R. Messenger, Esq., A.R.I.B.A., Architect; £4,000.

New Pavilion and Bandstand, East Cliff, Herne Bay, for the Urban District Council; F. W. J. Palmer, Esq., C.E., Architect; £5,000.

Numerous Domestic buildings and Business premises.

Culvert, Sewers and Roads, Herne Bay, for the Rev. F. Hopkins, £7,700.

Church Schools, Minster, Thanet; W. Leonard Grant, Esq., Architect, £2,200.

Faversham Borough Council Schools, Faversham; W. Leonard Grant, Esq., Architect, £14,000.

Peacock, W., Canterbury Rd.
Welby, C. W., Beach St.
Woolf, A., High St.

HEXTABLE.

Mundy, H. (Horticultural)

HYTHE.

Hoskins, P.
Jeal, J. J., Seabrook
Jenner, J. J.
Longly, F. S.
Scott Bros.

LEE.

Burke, J., 7 Rembrandt Ter., High Rd.
Cottell, H., Manor Lane
Gates, W. T., St. Peter's Court, Lee Green
Havell, G. F. & F. C., 167 High Rd.
Kulse, K., 108 High Rd.

LENHAM, Maidstone.

Clark, J. & S.

LONGFIELD, Dartford.

Gilham, R. W., Station Rd.
Longhurst, E., Station Rd.

LOOSE, Maidstone.

Wilkins, E.
WOOD, JAMES, & SONS.

LYNSTED, Sittingbourne.

Back, T.

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Ansett & Son, 121 Union St.
Avard, R., West Borough
Barden & Head, 12 Union St.
Bridge, W. J., 6 Brewer St.

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Builders & Decorators,
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High-Class Joinery, Sanitary and Heating Engineers.

Cox Bros., 22 Stone St.
Elmore & & Son, 62-66 King St.
Goodwin, H., Station Rd.
Pearce, G., & Sons, Mill St.

Kent—*continued.*

G. E. Wallis & Sons, LTD.,
Builders & Contractors,
Broadmead Works,
. . MAIDSTONE. . .

Recent works executed include:

ASYLUMS.

Barming Heath Asylum, near Maidstone, New Hospital Buildings, etc.; W. J. Jennings, Esq., Archt., Canterbury.

BARRACKS.

R.M. Barracks, Walmer, £15,000; and Police Quarters, Upnor, for the Admiralty. Chattenden Magazines, £60,000.

R.H.A. Barracks, Aldershot, £30,000. Officers' Quarters and Huts, Shorncliffe Camp, £75,000. Soldiers' Quarters, Woolwich, £33,000.

Soldiers' Quarters, Blackdown Barracks, Frimley, £90,000.

Hants Depôt Barracks, £46,000.

Caterham Barracks, £26,000.

BREWERIES.

Fremlin's Brewery, Maidstone. Oak Brewery, Farnboro', and new Brewery for the Forest Hill Brewery Co.; Wm. Bradford, Esq., Archt.

Wares' Brewery, Frant, Hodgsons' Brewery, Kingston-on-Thames, Abbey Brewery, Malling. Hall & Woodhouse's Brewery, Blandford; Messrs. A. Kinder & Sons, Archts.

Hope Brewery, Weymouth; A. Kinder & Son, Archts.

Mann, Crossman & Paulins' Beer Stores, Croydon; Messrs. W. Bradford & Sons, Archts.

Lower Brewery, Maidstone; Messrs. Harrap and Duffield, Archts.

BRIDGES.

New Bridge at Tonbridge and Yalding, and undersetting bridge at Aylesford, over the Medway; F. W. Ruck, Esq., County Surveyor.

BANKS.

London & Provincial Bank, Maidstone; G. E. Bond, Esq., Archt.

PUBLIC BUILDINGS.

The Royal Horticultural Hall, Westminster, £34,000; E. J. Stubbs, Esq., Archt.

Post Office, Bromley; Sir H. Tanner, Archt.

CHURCHES.

Holy Trinity Church, Red Hill; R. H. Mew, Esq., Archt., 121 Cannon St., E.C.

St. Luke's, Maidstone; W. H. Seth-Smith, Esq., F.R.I.B.A., Archt. St. Mary's Church, West Malling, re-building; J. T. Micklethwaite, Esq., Archt.

St. Faith's and St. Philip's, Maidstone; E. W. Stevens, Esq., Archt.

GASWORKS.

Boiler House, etc., for the Croydon Gas Co., Croydon.

DRAINAGE AND SANITARY WORKS.

Ashford Town Sewerage and Tanks. Outfall Sewer, Chatham Dockyard.

Reconstruction of Drainage, Cavalry Barracks, Windsor, and R.H.A. Barracks, Aldershot, for the W.D., including renewing all fittings.

Reconstruction of Drainage at Hants County Hospital, Winchester; H. Percy Adams, Esq., Archt.

HOSPITALS.

Royal Cambridge Hospital, £26,000, and Louise-Margaret Hospital, £12,000, Aldershot, for the War Department.

Hospital for Guardians of Folkestone Union; Messrs. Ladds and Gardner, Archts.

Hospital for Guardians of Tonbridge Union; Messrs. Cronk, Archts.

R.N. Hospital, Sheerness, for the Admiralty.

Otford Isolation Hospital, for the Sevenoaks Rural District Council, M. Maberley-Smith, Esq., Archt.

G. E. WALLIS & SONS, Ltd.,

continued.

Additions, Hampstead General Hospital, Haverstock Hill, N.W., Messrs. Young & Hall, Archts.

SHOPS.

New Shops, High Street, Eltham, for D. Greig, Esq.; W. H. Duffield, Esq., Archt., 5 Budge Row, E.C.

Shops, King's Road, Chelsea, S.W., for the Vale Estate, Ltd.; W. H. Stephens, Esq., Archt., 49 Hans Road, S.W.

MALTINGS.

Complete Maltings at Maidstone, for Messrs. Pine & Sons, and at Ashford, for Messrs. T. Chapman and Son; at Hertford, for Messrs. Gripper, Sons, and Wightman; Messrs. A. Kinder and Son, Archts. At Chiswick, W., for Messrs. Fuller, Smith & Turner; Messrs. Inskipp and Mackenzie, Archts.; Messrs. Nicholson's Malting, Maidenhead; Messrs. A. Kinder & Son, Archts. Malting for J. L. Marsh, Esq., Blandford; Messrs. W. Bradford and Sons, Engineers.

RESIDENCES.

Residence at Lympne, for W. H. Upjohn, Esq., K.C.; G. B. Carvill, Esq., Archt., Trafalgar Buildings, Northumberland Avenue, W.C.

Bracknell Lodge, Frognal Lane, Hampstead, N.W., for T. Blake Frost, Esq.; Messrs. Barrett and Driver, Archts.

Park House, Boxley, for Major Best.

Addington Park; J. Mac-Vicar Anderson, Esq., Archt.

Harwarton, Speldhurst; C. E. Powell, Esq., Archt.

Hopkinson House, for the Brabazon House Co.; R. Stephen Ayling, Esq., Archt.

HOTELS.

Castle Hotel, Tonbridge; G. Friend, Esq., Archt.

Hotel Wampach, West Cliffe, and Hunderts Hotel, Folkestone; A. Bromley, Esq., Archt.

Red Lion Hotel, High Street, Rochester, for Messrs. Arkcoll & Co., Chatham; Geo. Friend, Esq., Archt., Maidstone.

SCHOOLS.

Science and Art Schools, Maidstone; A. W. Smith, Esq., F.R.I.B.A., Archt.

Schools at Blackheath, Deptford, Plumstead, Poplar, Dulwich, and Hammersmith, for the London School Board; T. J. Bailey, Esq., Archt.

Schools for Borough of Weymouth Education Committee; Messrs. Crickmay & Sons, Archts.

Schools at Fulham for the L.C.C.

Prætoria House School, Folkestone, for M. Roderick, Esq.; A. E. Thompson, Esq., Archt., £10,000.

Agricultural College, Wye; Messrs. Colcutt & Hamp, Archts.

Salters Hill Schools, W. Norwood, for L.C.C.; T. J. Bailey, Archt.

New Schools at Tonbridge, for the Kent County Education Committee.

National Schools, Hythe, Additions A. Bromley, Esq., Archt., Folkestone.

WATERWORKS.

Reservoir, Collecting Tanks, Pumping Stations, etc., for the Maidstone Waterworks Co.; Messrs. Easton and Co., Engineers.

Reservoir at Detling, and Pumping Station at Aylesford, for Maidstone Waterworks Co.; W. B. Bryan Esq., Engineer.

Reservoir and Pumping Station at Merstham and Kenley, for the East Surrey Water Co.; M. B. W. Ffolkes, Esq., Engineer.

New Reservoir for The Chatham Waterworks Co., Chatham; Messrs. Taylor, Son & Santo Crimp, Engineers.

WHARVES, &c.

River wall for the Maidstone Gas Company.

New Wharf for Messrs. Hilton Anderson and Co., Halling.

Kent—*continued.*

G. E. WALLIS & SONS, Ltd.
continued.

WORKHOUSES.
Casual Wards Administrative block, Kitchen, Chapel, &c., £23,000, at Elham, near Folkestone; Messrs. Ladds and Gardner, Archts.
New Casual wards, &c., at Pembury; Messrs. Cronk, Archts.

ELECTRICITY GENERATING STATIONS.
Maidstone, Chatham Dockyard, £30,000, Erith, Sheerness Dockyard.

MALLING, East.
Allchin, W. H., Mill St.
Pye, E. H., The Laurels

MALLING, West.
Hodges, G.

MARGATE.
Amos, J., Victoria Rd.
Anderson Bros., Fort Paragon
Bowchier, W. H., King St.
Brown, J., & Sons, 26 Clifton St.
Doughty, F. J., 9 Queen St.
Elliott, R., Lombard St.
Gore Bros., Addington Rd.
House, E., Thanet Rd.
Jenkins, T., Norfolk Rd.
Padget, E., & Sons, Eaton Rd.
Paramor & Sons, Eaton Rd.
Strand, J., 15 Buckingham Rd.
Stiff, S. W., Addington Rd.
Wales, J., Union Crescent
Woodward, A., 24 Zion Place

MEOPHAM.
Durling, J.

MILTON, next Sittingbourne.
Bowes, G., 52 Chalkwell Rd.
Gardler, H., 27 Chalkwell Rd.

NEWINGTON, nr. Sittingbourne.
Brittenden. W., High St.

NORTHFLEET.
Rayfield, W. H., 7 London Rd.

ORPINGTON.
Somerford, H., & Son, High St.

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Pledge Bros., 7 Beckenham Rd.

PENSHURST.
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Allcorn. W. & Sons.

PLUMSTEAD.
Coril, E. G., 48 Paget Rd.
Hodgin, J. H., 66 Sandy Hill Rd.
Hutton, A., 25 Chestnut Rd.
Kitley, C., 36 High St.
Lonergan, Messrs.
Proctor, E. & Son, 326 High St.
Ware, A. J., 105 Park Rd.

RAMSGATE.
Forwalk, J. H., Ellen Villa, Elms
Goodburn, A. E., Church Rd.
Grummant Bros., Grange Rd.
Home, C., Denmark Rd.
Knight, W., Cannon Rd.
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White, H., Meeting St.
White, J., South Eastern Rd.
Woodhall, J. W. & Co.Ld., Boundary Rd.

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Durrant, J. H., St. Margaret Banks
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Town Hall and Municipal Offices, Chatham; G. E. Bond, Esq., Archt.
New Board Schools. Troy Town, Rochester, and Gordon Road, Strood; G. E. Bond, Esq., Archt.
Villa Residence, Sidcup; F. T. W. Goldsmith, Esq., Archt.
Club House for R.C.Y.C., Port Victoria; Messrs. Henry Ough & Son, Archts.
Brewery, Strood; J. McMullen Brooks, Esq., Archt.
Stores, Acorn Wharf, Rochester; G. E. Bond, Esq., Archt.
Power Station and Car Sheds for Tramways; Messrs. J. W. Nash and Son, Archts.

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Brissenden, J.

SEALCHART, Sevenoaks.
Saxby, G.

SEVENOAKS.
Banks, W. G., Dunton Green
Bentley, C., High St.
Corben & Co., Argyle Rd.
Eeles, H., Eardley Rd.
Hodges, W., St. John's
Wiltshire & Son (see Advt.)

SHEERNESS.
Hughes, E. F., Broadway
Pavey & Son, 151 High St.

SHOREHAM, Sevenoaks.
Richardson, T.

SIDCUP.
Beale, S., Longlands.
Clark & Dunnam, Station Rd.
Dunn, H., Halfway St.
Knight, T. (see Advt.)

SITTINGBOURNE.
Bishop, E., Albany St.
George, S. & G., Greenstreet, near
Luckett, S., 76 William St.
Monk, T., 9 Canterbury Rd.
Pavey & Sons, 52 West St,
Seager, L., London Rd.
Tidy, H. J., 1 Bell Rd.

SNODLAND.
Langridge, R., Ham Hill

SOUTHBOROUGH.
Hudson, T., Holden Park
Wallis & Harmer, Pennington Rd.

Kent—*continued.*

WILTSHIRE & SON,
Builders & Contractors,
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Works executed include—
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At Southborough.—Victoria Hall: £4,000: W. Harmer, Esq., Architect. Board Schools: £6,250: C. H, Strange, Esq., A.R.I.B.A., Architect.

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Parker, J., 6 Town Hall St. (Painter)
Pickup, H., 68 Northgate (Painter)
Pye, J., Lambeth St. (Joiner)
Riding, J., Osbalderstone, near
Robinson, Heys & Co., 76 Earl St. (Asphalters)
Salisbury, E., 13 Freme St. (Brkstr.)
Sharples, J., Shaw St. (and Joiner)
Shorrock, J., Randal St. (Joiner, &c.)
Smith, H., Whalley Range (Joiner)
Southworth Bros., Merchant St., Salford Bridge (Carpenters)
Stones, W., & Sons, Darwen St.
Talbot, T., Batswell Rd. (Joiner)
Thompson, H., Regent St. (Slater)
Thompson, J., St. Peter St. (Slater, &c.)
Topping, W. A., Bastwell (Plumber)
Varley, T., & Son, King St., Whalley
Walkden, J., 15 Ainsworth St. (Painter)
Walsh, J., H., Duke's Brow (Joiner)
Walsh, P., & Son, 19A Water St., River Side (Plumbers)
Welsby, W., Ash St. (Joiner)
Whalley, W. & J., 63 Limbrick (Plasterers)
Whewell, E., Bromley St. (Joiner)
Whittaker, C. L., 39 Preston New Rd. (Plumber)
Whittaker, J., & Sons, Canterbury St. (and Joiners)
Whittaker, R., & Sons, Hope St. (and Joiners)
Williams, W., 5 Ross (Mason)

BLACKPOOL.

Ainsworth, H. (R.P.), 111 Lytham Rd., S.S.
Ainsworth, W., 78 & 80 Elizabeth St.
Angus, T., Regent Rd.
Ayre, T., Reed's Rd.
Blacow, T., 48 Cambridge Rd. (Bricklayer)
Bonny, R. W., & Sons, Church St. (Jnr.)
Butterworth, S., & Sons, Livingstone Rd. (Masons)
Cardwell, J., & Bros., 161 Church St.
Chadwick Bros., 129 Talbot Rd. (Jnrs.)
Chadwick, W., 7 Cedar St. (Joiner)
Challoner, T., & Son (R.P.), Parker St.
Clough & Pendlebury, Coronation St.
Collins, G., & Son, 6 Palatine Rd. (Masons)
Cookson, H., 23 Shaw Rd., South Shore (Bricklayer)
Coop, J., & Sons, 5A Lower King St. (Painters, &c.)
Coulston, J. (Junr.), Bank Hey St.
Crook, T. H., Highfield Rd.
Dewhurst, J., Upper Braithwaite St., Claremont (Plasterer)
Docking, J. W., General St. (Joiner)
Dodds & Levick (R.P.s), St. Ann's St.
Dodd, W., & Son, Lytham Rd., South Shore (Plumber)
Dootson, W., Back Church St.
Eaves, J., 49 Boothley Rd. (Bricklyr.)
Eaves, W., & Co., Ld., Springfield
Escolme, R., Adelaide St. (Roads and Sewers)
Fenton, J. & R., Caunce St.
Fielding, J., & Sons, Birley St. (Msns.)
Fisher, G. H., 43 Crystal Rd., S.S.
Gaskell & Tilley, 219 Lytham Rd. S.S. (Masons)
Gregson, J., 202 Central Drive (Bricklayer)
Hall, W., Cleveland Rd. (Brklr.)
Hargraves, J., Milbourne St.
Hartley, D., 75 Park Rd.
Hartley, J. H., S. Edward St. (Joiner)
Hartley, T., Middle St. (Joiner)
Heywood, R., Cookson St. (Plumber)
Hill & Sons, Gt. Marton (Bricklyrs.)
Hodgson, J., Milbourne St. (Brklr.)
Hull, W., Grosvenor St. (Plasterer
Judson, T., Caunce St. (Plumber)
Kay, J., & Sons, 31 Elizabeth St. (Slaters)
Kenyon, J. (Exors. of), Waterloo Rd., South Shore (Plumber)
Kerfoot, S., 7 Whitegate Drive (Bricklayer)
Lawson, T., & Co., Church St., South Shore (and Joiners)
Leach, R., & Sons, Cleveleys
Lindley, C. E., Church St.
Lumb, F., St. Alban's Rd. (Plstrer.)
Maybury & Son, Bath St. (Joiners &c.)
Moister, W., & Co., Park Avenue (Bricksetters and Joiners)
Morris, G., Lowrey Ter. (Drainer)
Myles, J., 2 Livingstone Rd.
Nickson, R., Palatine Rd.
Orme, S., 8 Carshalton Rd.
Parkinson, J., & Sons, Ld., Kent Rd. (Joiners)
Polland, A., Middle La., S.S. (Mason)
Porter, J., Hill St., S.S. (Joiner)
Potts & Pickford, Clare St., S.S. (Joiners)
Preston & Dryland, Clifford Rd. (Bricklayers)
Pye, Bros., Catshaw St. (Joiners &c.)
Pye, J., 117 Adelaide St. (Slater)
Richardson, R., 125 Caunce St. (Bricklayer)
Robinson, H., 14 Hill St., S.S. (Slater)
Saville, F., St. Heiler's Rd., S.S.
Seed, J., Warbreck Rd. (Flagger Slater)
Smith Bros., Boothley Rd. (Masons)
Smith, T. H., Raikes Rd. (& Joiner)
Stafford & Sons, 76 Lytham Rd., S.S. (Plumbers)
Talbot & Walton, Palatine Rd. (Joiners)
Taylor, E., 7 Brighton Par. (Drainer)
Thomas & Eden, Ribble Rd.
Turner, J., Talbot Rd. (Plumber)
Walker, W. & Co., Ld., General St.
Walmsley & Sons (R.P.) Birley St.
Walsh, S., 82 Buchanan St. (Plumber)
Ward, J., 121 High St. (Bricklayer)
Ward, W., 8 Lowrey Ter. (Plastr.)
Whiteside, J., Charles St. (Joiner)
Whiteside, J., 48 Buchanan St. (Drainer)
Worthington & Sons, 23 Birley St (Decorators, Plumbers, &c.)
Worthington, G. (R.P.), 44 Bonny St
Wray, Bros., New Rd. (Masons)

BLACKROD, Chorley.

Latham, H., 263 Manchester Rd. (Plasterer)

BLUNDELLSANDS.

Bate, J.
Costain, R., & Sons
Taylor, J., 2 Mersey View

BOLTON.

Altham, W., Westbrook St. (Slater)
Aspinall, E., 33 Mornington Rd. (Plumber)
Batten, A. R., Kay St.
Blakely, T., 38 Swan Lane (Joiner)
Bocock, R. & J., Howard St. (Stonemasons)
Booth, J., & Sons, Marsden Rd. (Ironfixer)
Bourne & Son, Castle St. (Painters)
Bradbury, J., & Sons, 84 Orlando St. (Masons and Bricklayers)
Brown & Naylor, 71 John Brown St. (Bricklayers)
Brown, R., School Hill (Plumber)
Burrow, W., & Son, Ruth St., St. George's Rd. (& Joiners)
Cartwright, F. H., 283 St. Helen's Rd. (Joiner)
Clapham, W., 20-22 Castle St. (Slater)
Collier, H., 8 Arrowsmith Terrace (Bricklayer)

Lancashire—*continued.*

Critchley, H., 19 Palace St. (Plasterer and Painter)
Cuerden, R. (R.P.), & Sons, 212 St. George's Rd.
Cunliffe, W., Deane Rd. (Joiner)
Dawson T., 51 Harper's Lane (Joiner)
Dewhirst, J., Beverley Rd. (Brklr.)
Dickinson, J., Ltd., Bark St. (Stonemasons)
Dobie, W., & Sons, Nelson St. (Jnrs.)
Draper, F., Back Newport St.
Dunning & Morris, 166 & 168 Crook St. (Plasterers and Painters)
Edwards & Sons, 27 Duke St. (Joiners)
Glover Bros., Dawes St. (Stonemsns)
Gooden, E., 3 Rose Hill (Joiner)
Gornall, J., & Son, 111 Ellesmere S. (Bricklayers)
Gregory, J., Fletcher St. (Slater)
Gregson & Smith, Merehall St. (Masons)
Gregson, G., Bath St. (Plasterer)
Hardie, W. T., & Sons, 2 St. Bartholemew St. (& Joiners)
Hare, W., 56 Clarence St. (Ironfixer)
Hargreaves, E., 80 Hampden St. (Slater)
Harker, J., & Sons, 146 Blackburn Rd. (Painters)
Hart, J. O., 8 Manor St. (Plbr. &c.)
Harwood, T., 75 Kay St. (Plumber)
Haywood, H, 21 Church St.
Heyes, P., Eskrick St., Halliwell (Sewers)
Higginson, J. S., Kirk St. (& Joiner)
Hind, R., Willows Lane, Derby St.
Hindley, J., 6 Nuttall Ter. (Bricklyr.)
Hirst, R. G., Steele St. (& Joiner)
Hodson, J., St. George's Rd. (Slater)
Holden, G., 125 Derby St. (Plumber)
Howorth, T., 258 Halliwell Rd. (Plumber)
Jackson, F., 296 Bark St. (Joiner)
Jackson, N., 4 Poole St. (Joiner)
Jones, E., 231 Dean Rd. (Plasterer, &c.)
Jones, H. & R., Gibbon St. (Plstrs.)
Jones, H., St. George's Rd. (Painter)
Jones, I. (R.P.), 80 School Hill
Kearns, W., Belmont Rd. (Sewers)
Keatley, J., 1 Greenwood St. (Joiner)
Kenyon, R. W., Spa Rd. (Joiner)
Kilburn, T., Arrowsmith Ter. (Sewers)
Lee, W., Church Bank (Plumber, &c.)
Maginnis, E. & D., Bow St.
Marginson, R., Junr., 3 Bow St. (Plbr.)
Marsden, J. H. & G., Bridge St. (Joiners)
Marsball, W., 2 Waterloo St. (Plbr.)
Massey, J., & Son, Chorley Old Rd. (& Joiners)
Merrick, J., 57 Bridgman St. (Bricklyr.)
Mosley, R., Charnock St.
Orrell, I., & Son, 9 Pemberton St., Eagley (& Joiners)
Page, C., & Son, Reformation St.
Paiton, R. & Son, 5 Bradford St. (& Joiners)
Pearse, G., Hampden St. (Bricklyr.)
Pickersgill, W., 1 Darbishire St. (Stonemason)
Pollitt, W., & Co., Ltd., 47 Pool St. (Sewers)
Ramsden, T., Rigby Saw Mills, Eagley
Ratcliffe Bros., 55 Knowsley St. (Decorators)
Rayner, R., Fold's Rd. (Joiner)
Roberts, H., 142 Bradshawgate (Decorator)
Rogers, A. H. N., 135 St. George's Rd. (Painter)
Rogers, T. W., 107 Bury New Rd. (Decorator)
Roscoe, R., Kirkhall Lane (& Joiner)
Rothwell, J., 90 Derby St. (Plumber)
Ryley, G., Derby St.
Scholes, F., 242 Blackburn Rd. (Plbr.)
Scholes, R., & Son, 701 Blackburn Rd. (Plumbers and Glaziers)
Scholes, T., Hibbert St. (Mason)
Scowcroft, J., 346 Deane Rd. (Brklr.)
Seddon, S., 116 Manchester Rd.
Seddon, W. Z., Foundry Yd., Blackhorse St. (Bricksetter)
Sharples, W., 25 Brown St. (Bricklyr.)
Shaw, W., Wallace St.
Simcock, J., & Son, 19 Great Moor St. (and Bricklayers)
Skinner, A., 131 Chorley Old Rd. (Plbr.)
Slater & Russell, 48 Bridge St. (Plumbers and Glaziers)
Slater, J., 111 Higher Bridge St.
Smith, C. E. (Plumber), St. George's Rd.
Smith, D., Salisbury St. (Bricklayer)
Southern, H. B., Bury Rd. (Slater)
Stewart, J., & Sons, 114 Nelson St. (Plasterers and Painters)
Talbot, J., Bertrand Rd. (Bricksetter)
Taylor, J. & Co., Victoria Sq. (Plbrs.)
Taylor, J. W., Ld., Bury New Rd. (and Joiners)
Thomason, W., & Sons, 111 Gt. Moor St. (Plumbers and Glaziers)
Townson, W., & Sons, Ltd., Park Hill St., Chorley Rd. (Joiners)
Turner, J., 16 Ralph St. (Plasterer)
Tyson, R. J., Wellington Saw Mill, Great Lever (Joiner)
Vause, J., & Son (R.P.), 54 Duke St.
Waddicor, T. H., 252 Darwen Rd. Bromley Cross
Walsh, R., Daubhill (Plumber, &c.)
Warburton, A., 53 St. Helen's Rd. (Plasterer and Painter)
Ward, W., 7 Crook St. (Plasterer, &c.)
Warr & Co., Ld., Church Bk. (Sltrs.)
Watson & Watson, Bowker's Row (Decorators)
Williams, J., Dorset St. (Painter)
Witter & Son, Crown St. (Plumbers)
Witter, J. W., Spa Rd. (Plumber)
Wood, R., Halliwell Rd.
Woods, J. C. & F., Darbishire St. (Joiners)
Worthington, E., 145 Deane Rd. (Plbr.)

BOOTLE, Liverpool.

Chesters, T., & Son, Ltd., 41 Oriel Rd. (Painters and Decorators)
Fowler, S., 60 Irlam Rd.
Hughes & Stirling, Victoria Works
Litt, W., 93 Millers Bridge
Musker, W., Exors of, Langdale St.
Riddock, J., 106 Brasenose Rd.
Webster, S., 10 & 12 Brasenose Rd.
Wood, G., & Son, 268 Stanley Rd.

BRIERCLIFFE, Burnley.

Dent, W., Bend Hill

BRIERFIELD, Burnley.

Boothman, T., Exors. of, Humphrey St. (Joiners)
Guest, R., Halifax Rd. (Plasterer)
Howarth, W., Chapel St. (Mason)
Hudson, J., Thomas St. (Joiner)
Leaver, T., Halifax Rd. (Mason)
Quinn & Deveraux, Colne Rd. (Plbrs.)
Renoldson, T., Townley St. (Mason)
Robinson, A., Victoria Av. (Mason)
Shutt, J., Berry St. (Mason)
Stanworth, W., & Son, Clitheroe Rd. (Slaters)
Tattersall, C. (R.P.), Railway St.

BRINSCALL, Chorley.

Brown, R.
Counsell, J., Railway Rd. (Joiner)
Grundy, J., Harbour Farm
Leigh, J.

BURNLEY.

Aspinall, W., 7 St. James's Row (Painter and Plasterer)
Binns & Sons (Painters & Plasterers), 16 Hargreaves St.
Bracewell, W., Padiham Rd.
Bridge, A., 308 Colne Rd. (Plumber)
Brown, R., Boro' Saw Mills (Joiner)
Bullock, T., 8 Hart St. (Stonemason)
Clegge Bros., Fullege (Joiners)
Collinge Bros., 1 & 3 Briercliffe Rd. (Plumbers)
Cudworth, G., 75 Temple St.
Cunliffe, S., Bank Parade (Joiner)
Dean, R., & Sons, Plumbe Street Saw Mills (Joiners)
Gill, F., 62 Elm St. (Joiner)
Gill, W., 20 Mary St. (Plumber)
Hanson, J., Stanley St. (Joiner)
Hardaker, G., 52 Raglan Rd. (Pntr.)
Harlow, S., 140 St. James's St.
Haworth, J., Calder Vale Rd.
Heap, E., Thursby Sq. (Mason)
Heap, H., 126 Todmorden Rd.
Heap, J., 171 Woodside
Heap, M. & J. W., 22 Clifton St. (Masons)
Heap, T., & Son, 56 Colne Rd. (Masons)
Howarth, J., Brunswick St. (Joiner)
Kelshaw & Lee, Gannow Lane
Kippax, R., 4 Leyland Rd. (Mason)
Leslie, J., 223 Manchester Rd. (Msn.)
Marshall, J., Hirst St.
Nightingale, T., Coalclough La (Msn.)
Nuttall & Co., Turner St. (Joiners)
Ormerod Bros., 1 Broughton St., Padiham Rd. (Masons)
Owen & Co., Ltd., 7 Yorke St. (Plumbers)
Parker, A. & R., 13 Thursby Rd. (Masons)
Parker, J. & A., 14 Hawk St. (Msns.
Rawlinson, R., & Sons, 23 Brougham St. (Painters and Plasterers)
Read, G., & Son, 36 Clifton St. (Masons)

Lancashire—*continued.*

Schofield, R., 4 Westgate Mason)
Schofield, W., Colne Rd. (Slater, &c.)
Scott, W., 25 Yorkshire St. (Plumber)
Shackleton, A., Bankhouse St. (Plmbr.)
Shoesmith, J., 79 Manchester Rd. (Plumber)
Simpson, M., 93 Thursby Rd.
Skeath, Kenyon & Clegg, 32 Ivy St. (Masons)
Smith, B., & Son, 71 Cavour St. (Masons)
Smith Bros. (Burnley), Ld., Turf Moor (Masons and Bricklayers)
Smith, G., & Son, Ltd., Redruth St. (Joiners)
Smith, J., 21 Curzon St. (Plumber)
Smith, J., Plumbe St. (Mason)
Smith, L. & J. W., Raglan Rd. (Joiners)
Stanworth & Son, Curzon St. (Sltrs.)
Stanworth, J. & Bros., Colne Rd. (Joiners)
Watterson & Hargreaves (R.P.s) 11 Bank Parade
Whitaker, O., Manchester Rd. (Slater and Concreter)
Wilkinson, R., Thursby Rd.
Wiseman, T. & A., Wiseman St. (Joiners)

BURY.

Birtwistle, A., & Sons, Bolton St. (Joiners)
Brierley, C., Brierley St. Saw Mills, Fishpool (all trades)
Byrom, J., Ltd., Woolfold near (all trades)
Chesters & Co., Bank Place, Tottington Rd. (all trades)
Clough, S., School Brow (Bricklyr.)
Crawshaw, J., Parsonage St. (Brklr.)
Dennis, C., Manchester Rd. (Bricklyr.
Fitton, T., Knowsley St.
Fletcher, S., Tottington Rd. (all trades)
Hall, R. & J. H., Limefield, near (Bricklayers and Masons)
Hutchinson & Holt, Croft St. (Jnrs.)
Inman, J., Exors. of, Bolton St. (all trades)
New Bury Saw Mill Co., Ld., Fernhill (all trades)
Newhouse, T. & Sons, Tottington Rd., Elton (Bricklayers & Masons)
Porter, F., Walmersley Rd. (Joiner)
Smith, J., & Sons, East St. (Joiners)
Taylor, J., Buckley Wells (all trades)
Thompson & Brierley, Boundary St. (all trades)
Tinline, J., Parker St. (all trades)

CADISHEAD, Manchester.

Drew, E.

CARNFORTH.

Billington, G., & Son, North Rd. (Plumbers and Painters)
Bolton, T., Jun., Warton, near
Brearley, W., Lancaster Rd. (Joiner)
Rigg, J., & Sons
Walmesley, J., & Son, Scotland Rd. (Plumbers and Painters)
Wilson, W., Worton, near (& Joiner)

CASTLETON, Manchester.

Logan, J. A., 52 Church St.

CHADDERTON, near Oldham.

Partington, J. T., Victoria St.

CHORLEY.

Baxendale, R., & Sons, Victoria Saw Mills (Joiners)
Bennison, W. 2 Bolton St., (Plumber)
Brindle, J., & Sons, Alexandra St. (Joiners)
Carr Bros., Harrison Rd., (Bricklayers)
Fairclough, J., & Sons, Clifford St. (Slater)
Fairclough, L., Westminster Rd.
Gartside, S., & Sons, 5 Queen's Rd. (Plumbers and Painters)
Hall, T., Peel St. (Joiner)
Hampson, W., 81 Pall Mall
Heald, A., Exors. of, Pall Mall (Plumbers and Painters)
Heald, G., George St. (Joiner)
Lucas, J., Exors. of, Market Place (Plumbers and Painters)
Lucas, J. R., St. Thomas Sq. (Joiner)
Nightingale, H., Clifford St. (Plumber)
Yates, T. P., Chapel St. (Plumber)

CLITHEROE.

Altham & Silverwood, Waddington, W. (Masons)
Bleazard, J., & Sons, Railway View (Masons)
Bond, H., Back Commons (Joiner)
Calverley, G., Chatburn Rd. (Joiner)
Davies, E., Shaw Bridge (Slater)
Fairweather & Son, Wellgate (Plbrs.)
Ford, J., 67 Woone Lane (Slater)
Hargreaves & Son, Lowergate
Higson, J., Wellford (Joiner)
Porter R., Woone Lane (Plumber)
Robinson, J., Eshton Terrace (Slater)
Satterthwaite, T., York St. (Joiner)
Scott, J., Eshton Terrace (Mason)
Sharpe, H., Montague St. (Joiner)
Thexton, J., 13 Brownlow St. (Joiner)
Thomber & Dixon, Waterloo (Masons)
Veevers, A., & Sons, Shaw Bridge (Joiners)
Watson, J., & Sons (R.P.s) 2 York St.
Whiteside, J. (R.P.), & Son, Castlegate
Williams, C., Moor Lane
Wilson, J., Wheat Sheaf, Salford (Mason)

COCKERHAM, Garstang, S.O.

Cortess, J. & T. (and Stonemasons)
Moore, G., & Sons (Carpenters)

COLNE.

Atkinson, J. R., Shaw St. (Mason)
Berry & Duckworth, 9 New Market St. (Painters)
Berry J., Hall St. (Plasterer)
Bottomley, J., Clayton St. (Mason)
Brotherton, R., Ludgate Circus (Plumber)
Caddy, E. J., Skipton Rd. (Joiner)
Capstick, R. & Sons, North Valley Rd. (Joiners)
Cottam & Thornton, Ivegate (Jnrs.)
Crossley, J., 40 Windsor St.
Dempsey, J. O. S., Primet Hill (Ptr.)
Hartley, H., Chapel St. (Plasterer)
Hey, J. & J., Albert Rd. (Painters)
Heyworth, A., Albert Rd. (Painter)
Higgin & Payne, Gosling Yard
Hill, J., Windsor St.
Holroyd & Riley, 12 Derby St.
Horsfield & Jackson, Keighley Rd. (and Joiners)
Howarth, E., Skelton St. (Plasterer)
Howarth, M., Skipton Rd. (Plasterer)
Irving, J., Windsor St. (Painter)
Laycock, J., Grosvenor St. (Plasterer)
Penwarden, R. J., Windsor St. (Msn.)
Priestley, H., West St. (Joiner)
Prince J., Primet Hill (Plumber)
Riddiough, J., & Co., 9 Stanley St. (and Joiners)
Riddiough, W., Stanley St. (Joiner)
Ridehaigh, R. & J., North Valley Rd. (Plumbers)
Roberts, J., Swanfield Joinery Works
Robinson, P., Foulridge, near (Mason)
Thompson, H., Foulridge, nr. (Joiner)
Townson, W., 10 Grovnr. St. (Mason)
Varley, W., & Sons, Market St. (Plumbers)
Watson, I., Cloth Hall (Joiner)
Wooster, F., Albert Rd. (Painter)

CRAWSHAWBOOTH, Manchester.

Ashworth, O., Burnley Rd.
Birtwistle, A., Burnley Rd.
Trickett, H., Burnley Rd.

CROSBY, GREAT, Liverpool.

Gleaves, W. (and Bricklayer)
Leonard, P. (Plumber)
Lunt, P., Liverpool Rd. (and Joiner)
Mulholland, G. E., 51 Alexandra Rd.
Pyett, J., Myer's Rd. West

CROSTON, Preston.

Rigbye, J., Station Rd.
Smith, T., Station Rd.

DALTON-IN-FURNESS.

Burrows, I., Market St. (Joiner)
Coomber, W., Station Rd. (Mason)
Fisher, J. (Plumber and Painter)
Garden, J., Exors. of, Market St.
High, J. (Waller)
Lawn, J. (Plumber and Painter)
Martin, G. Slater St. (Mason)

DARWEN.

Baxendale, H., Earnsdale Saw Mills
Bentley, J., Holme Saw Mills (Jnr.)
Bentley, W., 61 Gillibrand Street, (Plasterer and Painter)
Battersby, A., 28 Bolton Rd. (Plasterer and Painter)
Booth, J., Bolton Rd. (Plumber)
Bowling, T., Bolton Rd. (Joiner)
Bridgehouse, S., Grimshaw St. (Plbr.)
Duffy, J., 2 Marsh Ter. (Plumber)
Duxbury & Son, St. John St. (Plasterers and Painters)
Fish, F., & Co. (R.P's), Union St.
Gadfield, T., & Son, Gadfield St. (Masons)
Harwood, S., Hindle St. (Mason)
Hodgkinson, T. & G., Duckworth St. (Plumbers)
Hutchinson, W., Cavendish St. (Sltr.)

Lancashire—*continued.*

Jepson, H. C., Commercial Bldgs., Bolton Rd. (Plumber)
Johnstone, T., Hollins Grove (Mason)
Knowles, J., 533 Bolton Rd. (Msn.)
Knowles, J. R., 9 Foundry St. (Plbr.)
Knowles, R. & W., Epworth St. (Masons and Joiners)
Lightbown, T., Radfield Saw Mill (Mason and Joiner)
Lloyd & Millward, Blackburn Rd. (Masons and Joiners)
Lomax, R. T., Nancy St. (Painter)
Marsh & Fretwell, Redearth Road (Joiners)
Orrell, T., Astley St. (Mason)
Parkinson, T., 10 Sudell Rd. (Painter)
Shorrock, R., Union St. (Mason)
Watson, E., Hollins Grove (Plstr.)
Wild, J. J., Lodge Bank (Painter)
Willson, T. P., & Sons, Branch Rd., Lower Darwen (Masons & Joiners)
Wrighton, E. (Exors. of), Green St. (Plumber)

DENTON.
Storer, T., Exors. of, Ruby St.

DROYLSDEN, Manchester.
Bates, T., & Co.

EARLESTOWN.
Bunting, E., Wargrave Rd.
Burchall, J. A., Back Market St.
Finning, G., Wargrave Rd.
Fitzgerald Bros., Wargrave Rd.

ECCLES, near Manchester.
Irlam, J. (Bricklayer)
Moore, J. F., Chadwick Rd.
Moore, T., & Sons, Monton Rd.
Moore, W., 45 Mayfield Rd.
Ward, W., Monton Rd.
Woodler & Hardman, 161 Church St.

ECCLESTON, Chorley.
Hayes, T., Lawrence Lane

EDENFIELD, Bury.
Pilling & Halliwell
Wolstenholme, J. & H.

FACIT, Rochdale.
Hoyle, A. (Mason)

FAILSWORTH, Manchester.
Taylor, T., 19 Wrigley Head

FARNWORTH.
Berry, S. & T., Market St. (Painters)
Brooks, J., 21 Blackhorse Street (Plumber)
Bullough, E., Albert Rd. (Plumber)
Coope, Bros., Bank St. (Carpenters)
Entwisle, J. B. & J., Kearsley (Cpts.)
Hodgkiss, S. J., Longcauseway
Rovley, J., Bridgwater (Carpenter)
Shaw, W., Albert Rd. (Painter, &c.)
Steventon, W., Market St. (Plumber)
Watson, J., Frederick St.
Wiggins, J., Brackley St. (Painter)
Wright, —., Peel St. (Painter)

FLEETWOOD.
Cox & Gregg, Styan St. (Masons)
Drummond, T. A., & Sons, Preston St. (Masons)
Preston, J. & Sons (R.P.), Adelaide St.
Riley, T.
Roskell, W., Blackiston St.
Swarbrick, E. (Plumber and Painter)
Westby, R. (Mason and Joiner)
Whittaker, T., Poulton Rd. (Mason)

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Williams & Whittaker

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Formby Bros., Cross House (Masons)
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Hall, R., & Sons
Hall, S.

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Jolleys, W. (Joiner)
Musgrave, J. (Mason & Slater)

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Lang, R. W., Bridge St. (Plumber)

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Dale, G.
Rimmer, J. & E., Sandfield Rd.

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Wakefield, J.

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Harrop, J., Abbey Hey Lane

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Chippendale, J. (Slater & Plastr.)
Crankshaw, A. C.
Thompson, G.
Thoms, J.
Till, W. (Joiner)
Ward, B. (R.P.), Kents Bank Rd.

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Mercer, F., Club St. (Joiner)

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Clark, J. C., Blackburn Rd. (Plmbr.)
Collinge, T., Victoria St. (Mason)
Constantine & Lindsay, Parkinson St. (Joiners)
Green, J. T., Hargreaves St. (Plstr. &c.)
Grindrod, J., Warwick St. (Joiner)
Hargreaves, J. R. (S.P.), Market Pl.
Holden & Son, Helmshore
Holt, A., Warwick St. (Slater)
Hoyle, J. E., Pleasant St. (Plaster., &c.)
Jenkinson, J., 11 Chapel St. (Plstr., &c.)
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Harrison, J., Woborrow Rd.
Hinchcliffe, D., & Co., Sandylands (Masons)

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Barker, S., Pilsworth Rd.
Berry, J., Gorsey Hill St.
Blakeley & Wilde, Gregge St.
Calvert & Parker, Wood St.
Taylor & Livsey, Miller St.
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Quarmby & Co., Hyde Rd., Gorton
Ramsbottom, J., Church St., Pendleton (Joiner)
Rider, G., 110A Wilmstow Rd., Rusholme
Roberts (Evan) & Son, 288 Upper Brook St. (Bricklayers)
Rowland, J., 14 & 16 Waggon Rd., Mossley (Plumber)
Scott Bros., Gravel Lane, Salford.
Scott, T., Atherton St., Quay St.
Scott, W. D., 126 Broughton St., Cheetham
Sharratt, A. V., Whitley St., Rochdale Road (Joiner)
Shaw, T., 520 Stockport Rd., Longsight
Shaw, W., Fern Leaf St., Greenheys
Sidebottom, S., 278 Stockport Rd., Levenshulme
Smith, F. S., 357 Strettord Rd. (Pntr.)
Smith & Goodwin, 151 Great Clowes St., Broughton
Smith & Thompson, 2 Brook St., Chorlton-on-Medlock (& Joiners)
Sutcliffe, H., & Sons, 30 Manchester Rd., Mossley (Painters)
Thoday, W., 71 Wood St. (Bricklayer)
Thomas, T. H., 121A Gt. Ancoats St.
Thorpe, W., 380 Chester Rd., Cornbrook
Wainwright, J., Earl St., Longsight
Warburton, S., Clifton St., Miles Platting
Whittaker, C., 9 Old Rd., Blackley
Williams, F. (R.P.), 119 Grosvenor St., Chorlton-on-Medlock
Willison, G., 24 Whittaker Lane, Heaton Park
Wilson & Toft, Polygon Avenue, Stockport Rd.
Wilson, J., 264 Hamilton St., Queen's Rd. (and Joiner)
Wood & Huddleston, 53 Hardman St., Deansgate (and Joiners)
Wootton, W. (Exors. of), 6 Barton St., Moss Side (Bricklayers)
Worthington, W. H., 59A Rusholme Rd.
Young, Tinker & Young, Monsall St., Queen's Rd.

MAWDESLEY, Ormskirk.
Marsden, T.

MIDDLETON.
Dempsey, J., Suffield St. (& Joiner)
Grundy, Sons & Co. (Masons)
Jackson, T., & Sons, 110 Manchester Old Rd.
Ogden & Holland, Oldham Rd.
Ogden, W., Long St. (Plumber)
Partington, R., & Sons, The Lodge
Robertson, J., Manchester Old Rd.
Sexey, E. S., Corporation St. (Joiner)
Simpson, J., Baker St.
Skellem, T., Gas St. (Plumber)
Wellens, W., Higher Wood St.

MIDDLETON JUNCTION, Oldham.
Partington, J.

MORECAMBE.
Baxter, F. J., Union St. (Joiner)
Brear, J., Yorkshire St. (Joiner)
Burrow, E., Pedder St. (Painter)
Cross, W. J., Euston Rd. (Slater and Plasterer)
Edmonson & Co., Queen St. Saw Mills (and Masons)
Escolme, R., Lancaster Rd. (Roads)
Hadwin, T., Primrose St. (Slater)
Hodgson, W. B., Euston Rd. (Plmr.)
Morrell & Son, Regent Rd. (Painters)
Shaw, A., Clarence St. (Plumber)
Sutcliffe, M., Regent Rd. (Joiner)
Wilding, A., Clarence St. (Plumber)
Willis Bros., Poulton Sq. (Joiners)
Woodhouse, A., Morecambe St. (Ptr.)

NELSON.
Anderson, A., 246 Leeds Rd. (Plstr.)
Armstrong, W., Vernon St. (Mason)
Baileys, —, Hibson Rd. (Joiners)
Blackburn, R., Clayton St. (Joiner)
Boothman, W., & Sons, Spring Bank (and Joiners)
Dearden, S. & W., Barkerhouse Rd. (Masons)
Dent, T., & Sons, 51 Hibson Rd. (Masons)
Dole, J. J., Russell St. (Plumber)
Downham, T., Bank St., Leeds Rd. (Joiner)
Hartley Bros., Manchester Rd. (Plasterers)
Heyes, S. & H., Leeds Rd. (Painters)
Holden, S., Bradley Rd. (Joiner)
Lambert, W., Cross St. (Joiner)
Nutter, H., 90 Manchester Rd. (Pntr).
Pollard, G., Garden & Water St. (Joiner)
Rycroft, T., Railway St. (Plumber)
Scott, T., 42 Brunswick St. (Plastr.)
Skelton & Craven, 50 Leeds Rd. (Plumbers, &c.)
Stanworth, W., & Sons, 14 Hibson Rd. (Slaters)
Swinglehurst, J. W. (R.P.) 32 Cliffe St.
Walton, A., Raglan St. (& Joiner)
Whitaker, O., Canal Wharf (Slater)

NEWCHURCH.
Ashworth, J., Whitewell Bottom

NORDEN, Rochdale.
Ashworth, T., & Sons
Kershaw, J., & Co. (& Joiners)

OLDHAM.
Ashton, S., Plato St. (Joiner)
Ashton, S., & Sons, Cheapside (& Masons)
Bates, S., & Sons, Marsland St. (Plumbers)
Bebbington, T., Taurus St. (Mason)
Bewley, J., Grantham St. (Bricklyr.)
Birkenshaw, W., (R.P.), 71 Lees Rd.
Blunn, J., Ashton Rd. (Bricksetter)
Buckley, J., Greenacres Rd. (Plmbr.)
Butterworth & Son, 32 High St., Lees (Plumbers)
Chadwick, R., & Sons, Henshaw St., (Plumbers)
Dodd, W., Featherstall Rd. (Joiner)
Dunkerley, S., Featherstall Rd. (Msn.)
Edmondson, R., Union St. (Painter)
Freeman, G., & Sons, Hollinwood, near (Masons & Excavators)
Grice, G., 106 Pitt St. (Painter)
Haines, J., & Sons, Partington St., Regent St., Mumps
Haines, T., & Son, 145 Union St. (Joiners)
Hall, J., 103 Henshaw St. (Plasterer)

Lancashire—*continued.*

Halliwell, H., Hollinwood (Joiner)
Harker Bros., Chester St. Werneth (Plumbers)
Henshall, W., & Sons, Barker St. (& Joiners)
Heptonstall, J., 10 Wellington St. (Joiner)
Heywood, J., Union St. (Painter)
Horrobin Bros., Hollinwood (Plmr.)
Jackson, J., Greenwood St. (Joiner)
Jackson, J., Greaves St. (Slater)
Kelly, F., Union St. W. (Plastr.)
Lees, W., Smith St. (Joiner)
Lodge, W., Bardsley (Plasterer)
Mackay, A., Hardinge St. (Mason)
Mallalieu & Milne, Hartley St (Jnrs.)
Ogden Bros., 815 Middleton Rd. W. (Bricksetters)
Partington, J., Werneth
Partington, T., 6 & 8 Victoria St., Middleton Rd. (Bricksetters)
Pearce, E., Harmony St. (Plasterer)
Platt, W. H., Bisley St., Werneth (Joiner)
Rose, W., & Sons, Rochdale Rd. (Joiners)
Schofield, C., & Co., Ld., Lees Rd) (& Joiners)
Smethurst, S., Crossbank St. (Mason)
Smethurst, S. & J., Rochdale Rd.
Smith, B. & J., Fielding St. (Joiners)
Spencer, F. & Co., Moorhey St., Lees Rd. (Joiners)
Spencer, J., & Bros., Ld., Prince Albert St. (Excavators, &c.)

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Heating and . . . Ventilating Engineer,

Cross Bank Works,

OLDHAM.

Patentee of "The Ventilo" Radiator.

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Nat. Tel.: 383.

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9 Board Schools in London.
10 ,, ,, Oldham.
8 ,, ,, Swansea.
4 ,, ,, Nelson.
1 ,, ,, Ulverston.
2 ,, ,, Burnley.
2 ,, ,, Ramsbottom.
10 Schools in Hull.
Over fifty other Schools.

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At Oldham, Brighouse, Denton, Dalton-in-Furness, Barrow-in-Furness, Earlstown, Hebden Bridge, Newton Heath, Rochdale and Crewe.

BANKS.

2 for Adelphi Banking Co.
1 ,, Halifax Joint Stock Bank.
1 ,, Metropolitan Bank.
4 ,, Manchester & County Bank
9 ,, Parr's Bank.
11 ,, Lancashire and Yorkshire Bank.
2 ,, Lancaster Bank.

CHURCHES AND CHAPELS.

Five in London, 11 in Hull, 1 in Nottingham, 28 in Oldham 2 in Newcastle-on-Tyne, 4 in Rochdale, 2 in Swansea, 1 in Boston, and over 100 others.

PUBLIC BUILDINGS AND OFFICES.

Municipal Bldgs.	Douglas, I.M.
Assembly Hall	Ambleside.
Town Hall	Crompton.
Union Offices	Sheffield.
Reckitts' Offices	Hull.
Prudential Bldgs.	Oldham.
Prudential Bldgs.	Hull.
Free Library	Tooting.
Museum	Hull.
Holstein Hall.	Weybridge.
Memorial College	Brecon.
Central Mission Hall	Hull.

RESIDENCES.

Eighteen in Oldham, 2 in Hull, 5 in Cornwall, 6 in Cheshire, 4 in Yorkshire, 10 near Manchester, Castle in Belgium, and many others.

CLUBS AND HOTELS.

In Nelson, Walsall, Fleetwood, Newquay, Bacup, Colne, Oldham, Moorside, Blackpool, Burnley, Barrow-in-Furness, etc.

Stephenson, E., Bagnall St., Union St. W. (& Bricksetter)
Whitehead, S. & J., Lowermoor (and Masons)
Whittaker, E., Rochdale Rd. (Jnr.)
Whittaker, W., Robin Hill Works
Winterbottom, J. (R.P.), Cheapside

ORMSKIRK.
Chisnall, R., Moor St.
Constantine, T., Knowsley Rd.
Fyles, W., Wigan Rd.

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Trafford, H., Moss Lane, Lathom
Whittle, J., Moor St.

OSWALDTWISTLE.
Adams, G., Rhyddings St.
Bury, W. H., 8 White Ash Lane

PADIHAM.
Bertwistle, J., Railway St. (& Joiner)
Bertwistle, S., & Son, Lightenhill St. (Joiners)
Foster, W., & Son, 24 Station Rd.

PATRICROFT.
Brooks, N., & Sons, Ellesmere St.
Chapman, Hollingworth, & Son, Green Lane
Roper, J., Canal Bank

PEMBERTON.
Ashurst & Calderbank, 25 Tunstall Lane, Halfway House
Bywater, A.

PENWORTHAM, Preston.
Stickland, T., Back Lane

POULTON LE FYLDE, near Preston.
Jackson, J., Tithebarn St.
Riding, J., Bank St.
Tierman Bros., Derby St.
Walker, E., Ball St.
Walton & Co.

PRESCOT, St. Helens.
Lucas, J., & Son, Eccleston St.
Taylor, S. & A., Squire's Place

PRESTON.
Arrowsmith, G., Ormskirk Rd. (Plasterer & Tiler)
Baines, J., 95 High St. (& Joiner)
Baines, P. A., Friargate (Joiner)
Bashall, H., Sussex St. E. (Pavior)
Beesley, H., 3 Havelock Terrace, Garstang Rd. (Bricklayer)
Beetham, W., Walton's Court, Fishergate (Joiner)
Billsborough & Sons, Lune St.
Breakell, J., & Son, Maitland St. (Flaggers & Slaters)
Brierley, R. (R.P.), 27 Fylde St.
Brogden, H., 18 Grimshaw St. (Joiner)
Calderbank, J., Crooked La. (Joiner)
Carter Bros., Castleton Rd. (Brklyrs.)
Cartmell, J., & Son, Church St. (Jnrs.)
Catterall, W., 15 Lancaster Rd. (Plstr.)
Catterall, R., 51 Emmanuel St. (Plstr. & Tiler)
Christian, J., Grimshaw St. (Brklyr

Lancashire—*continued.*

Colley, T. & R., St. Thomas' Rd. (Bricklayers & Masons)
Cooke, W., & Son, Stanleyfield Rd. (Plasterers & Tilers)
Cottam, T., Green Bank (Joiner)
Croft, T., & Sons, Victoria St. (Bricklayers & Masons)
Croasdale, W., Glover's Ct. (Pntr.)
Dewhurst, R., Tulketh Brow (Joiner)
Dilworth & Carr, Bow Lane (Heating & Ventilating)
Fletcher, J., 10 Aqueduct St. E. (Flagger & Slater)
Gabbott, T., 85 Broughton St. (Brkstr.)
Garnett, T. B., Arthur St. (Joiner)
Hardman, W., 45 Cannon St. (Plbr.)
Hill, G., 36 Glover's Court (Joiner)
Jackson, W., Stocks Rd., Ashton (Bricklayer)
Joy, W., 64 Emmanuel St. (Brklyr.)
Kellett, T. H., 3 Fishergate Hill (Plumber)
Lambert J. W., Guildhall St. (Plbr.)
Lingert, R., Muncaster Rd. (Brklr.)
Livesey, T. N., Waterloo Rd., Ashton (Joiner)
Lucas, G., Platt's Court, Fishergate (Joiner)
Lund, J., Walker St. (Plstr. & Tiler)
McKerney, H., Hartingdon Rd. (Bricksetter)
Marsden, Ltd., 187 Lancaster Rd. (Plumbers)
Metcalf, J., Theatre St. (Heatg. Eng.)
Moxham, J., 10 Brackenbury St. (Pavior)
Nickson, T., 153 St. Paul's Rd. (Flagger & Slater)
Park, R., & Sons, 2 Fox St.
Penswick, J., 263 Fylde Rd. (Plstr.)
Richardson, G. (R.P.), Mount St.
Robinson, J., Moor Lane (Flagger)
Salthouse, W. (R.P.), 21 Church St.
Sanderson & Southworth, Anchor Court (Plumbers)
Seward, C., & Co., Gt. Shaw St. (Heating & Ventilating Engineers)
Shorrock, M., 31 Elmsley St., Moor Park (Bricksetter)
Smith, J., Lowndes St. (Slater)
Spencer, I., & Son, Herschell St., (Bricklayers)
Swarbrick, J., Waterloo Rd., Ashton (Bricklayer, &c.)
Walker, C., River St. (Joiner)
Whiteside, W., Old Vicarage Saw Mill (& Joiner)
Wilding, S. B., & Sons, 17 Lune St. (Plumbers & Painters)

PRESTWICH.

Barker, G. & J., Rainsough
Leach, J., & Son, Warwick St.

RADCLIFFE.

Allen, J., Railway St. (& Joiner)
Ashton, S., Spring Lane (Slater)
Beaby, J., Cross Lane (Plumber)
Brierley, W., Church St. (Plumber)
Collier & Smith, Church St. (Joiners)
Jones, A., Chapelfield (Joiner)
Jones, W., Stand Lane (Plumber)
Kay, P. N., Blackburn St. (Plumber)
Lawrenson, T., Stand Lane (Brklr.)
Lomax, J., Knowles St. (Plasterer)
Makin & Sandiford, Stand Lane (Bricklayers)
Monks, J., Church St.
Nuttall & Co. Bolton Rd.
Openshaw, G., Parsonage St. (Mason)
Rigby, W., Seymour St. (Joiner)
Smith, C. W., & Co., 137 Stand Lane (Decorators)

RAINHILL.

The Rainhill Redstone Quarry Co.

RAMSBOTTOM.

Dearden, J., & Co., Garnet St. (Jnrs.)
Foster, T. & J., Derby St. E.
Haworth, J. H., Kenyon St. E. (Jnr.)
Hillary Bros., Stubbin's Lane
Lomax, C., Ld., Orchard Mill
Nuttall, R., & Son, Hazlehurst Saw Mills, Bolton Rd. West (Joiners)
Pilkington, G., Geofferry St. W.
Platt & Castle, Stubbin's Lane
Shilton, D., Holt St. W. (Joiner)
Wolstenholme, J. & H., Edenfield N. (Joiners)

RAWTENSTALL.

Coupe, T., Bacup Rd. (Plasterer)
Fielding, W. G., Schofield Rd.
Graham, R., Bank St. (Plumber)
Hobson, S., Holmfield Stone Yard
Moore Bros., Burnley Rd.

RISHTON, Blackburn.

Butler, R. & J. R., Spring St. (Jnrs.)
Godley, E., Knowles St. (Plasterer)
Greenwood, A., Fielding St. (Mason)
Holden, R., 71, High St. (Painter)
Kenyon, R. T., 1 High St. (Plumber)
Knowles Bros., Ashworth St. (Jnrs.)
Moyle, R., Wharf St. (Joiner)
Noble, J., 9 Harwood Rd. (Mason)
Scott, R., Bridge St. (Painter)
Thompson, T., Hermitage St. (Plbr.)
Trengrove, J., 7 High St. (Painter)
Wesley, F., Knowles St. (Painter)

RHODES, Manchester.

Thorp, W. & H.
Walker, H., Broadman Lane

ROCHDALE.

Anderton, W., 135 Edenfield Rd. (Joiner)
Ashworth & Woolfenden, Moss St. (and Joiners)
Ashworth, W. H., Deeplish (Joiner)
Coates, J. & J., Duke St. (Joiners)
Dewhurst, T., 13 Mark St., Heybrook
Endersby, G. F., Hanging Rd. Mill (Joiner and Bricklayer)
Greenwood, W. (Exors. of), Whitworth Rd. (Joiners)
Hargreaves, T., Manch'r Rd. (Brklr.)
Howorth, R. & T., 150 Royd St. (Brklrs.)
Kay, R., Bury Rd. (Joiner)
Kershaw, H., Stoneyfield
Nicholl, J. & Son, Henry St. (Stonemasons)
Nicholl, S. & Son, Hudson St.
Parker, J. & Son, Molesworth St. (Jrs.)
Peters, W. A. & Sons, Crossfield (all trades)
Rigg, E. & L., Willbutts Lane, Spotland
Schofield & Mills, Boundary St.
Taylor, T. (Exors of), 59 Kings Rd. (Bricklayer)
Turner, T. & Son, Sheriff St.
Wilkinson, T., Walpole St. (Joiner)

ROYTON, Oldham.

Kent, J. W., Park St. (Joiner)
Ledger & Seville, Fleet St. (Joiners)
Whittaker, J., Shepherd St.

SAINT ANNE'S-ON-THE-SEA.

Heap, J. & Son, St. Andrew's Rd. South (& Joiners)
Hopwood & Sutcliffe, St. David's Rd.
Rawstron, C. & Sons, St. Andrew's Rd. South (Joiners)
Shepherd, J. & Sons, Park Rd. (Jrs.)
Walmsley, E., St. Andrew's Rd. N. (Joiner)
Whiteside J., St. Anne's Rd. E. (Jnr.)
Wilson, S., St. Andrew's Rd. S. (Jnr.)
Woodcock, W. & Co., Park Rd.

SAINT HELENS.

Almond, J., Rigby St.
Aukland, W. H., Dentons Green
Brown, F., North Rd.
Crake, J., Crosfield St.
Ellison, J., Boundary Rd.
Ellison, R., Windle St.
Leather, J., 1A Claughton St.
Leicester, W., New St., Sutton
Middlehurst, C. J., Halefield St.
Molyneux, W., 24 Ashcroft St., Parr
Pilkington, J., Rainford, near
Rothwell, J. & Sons, Knowsley Rd.
Tague, J., King St.
Taylor, W., Sutton
Voce, I., Boundary Rd.
Waizbom & Son, Kirkland St.
Whittaker, J.

SALFORD (see Manchester).

SEAFORTH (see Liverpool).

SHAWFORTH, Rochdale.

Dyer, J. (Mason)

SMITHY BRIDGE (see Rochdale).

SOUTHPORT.

Abram, J., Sussex Rd. (Bricksetter)
Ault, R. A., 73 Talbot St. (Plumber)
Ball, T. L., 109 Railway St.
Betham, J., 15 Upper Aughton Rd., Birkdale (Joiner)
Boyd, J. & Son, 57 Chapel St. (Plumbers, &c).
Brown & Bird, 52 Kew Rd., Birkdale
Buck & Hodson, 82A Shakespeare St. (Bricklayers)
Connard & Tetlow, 58 Eastbank St. (Painters and Decorators)
Duxfield Bros. Virginia St.
Fairbridge & Hatch, 9A Aughton Rd., Birkdale
Fairbridge Bros., Upper Aughton Rd., Birkdale
Fleet, F., Virginia St.
Foster, W. H., 41 Shakespeare St. (Jr.)
Fyles, A., 2 Brighton Rd., Birkdale
Grierson, J., 22 Lesley Rd. (Joiner)
Halliwell Bros., 36 Hart St. (Masons)
Heyes & Lunt, 37 London St. (Plumbers and Decorators)

Lancashire—*continued.*

Highton, J., Cambridge Rd. (Brklr.)
Irving, A. K., & Sons, Hesketh St.
McWhan, J., East Bank St. (Plumber)
Marshall, J., 125 Hampton Rd. (Bricksetter)
Morris, P. R., 74A Kensington Rd. (Joiner)
Orphan, T., 14 Cedar St. (& Joiner)
Petrie, J. M. & J., School St.
Pickup, T. & Co., 95 Linaker St.
Porter, T., Sefton St. (Bricksetter)
Rimmer & Lewis, 15 Warwick St.
Rimmer, F., Tulketh St. (Mason)
Rimmer, J., King St. (Stonemason)
Robinson, J., Upper Aughton Rd. Birkdale (Slater & Plasterer)
Robinson, W. E., (Exors. of), 109 Sefton St. (Bricklayers)
Shaw, N., 14A Zetland St.
Southworth, P., 3 Ashley Rd. (Plstr.)
Southworth, T., 142 Virginia St. Plstr.)
Vaughan Bros., Rose Hill
Wainwright, T., 125 Lord St. (Plbr.)
Weatherill & Blanchard, 46 Tulketh St.
Whitehead, T., 77A Portland St.
Wilkinson, J. G., 12 Forest Rd.
Williams Bros., Portland St. (Plasterers and Slaters)
Wright, W., 74 Tithebarn Rd. (Slater)

STONECLOUGH, Manchester.

Oakes, J.

SWINTON, Manchester.

Gerrard, J. & Son
Rawlinson, S. & Son, Wesley St.

TONGE, Bolton.

Atherton, A., Brookfield Saw Mills.
Gibson & Hodgson, Tonge Moor Rd
Gibson, G., Cecil St.
Royle, T., 320 Bury Rd.

TOTTINGTON, Bury.

Byrom, J., Woolfold
Hargreaves, J. & J. (Masons, &c.)

TURTON, Bolton.

Martin Bros., Edgworth (Jnrs.)
Melling Bros., Welling'n Rd. (Plstrs.)
Ramsden, T., Bromley Cross

TYLDESLEY.

Beck, J., Primrose St.
Harrocks, D., Shakerley Rd.
Smith, J. T., 19 Castle St.
Wilson, —., Shuttle St.
Wood, W., Manchester Rd.

ULVERSTON.

Clayton, J. (R.P.), New Market St.
Gardner, Wm., Hart St.
Grice, W., Alexander Rd.
Grundy, J., Brogden St. (Joiner)
Harrison, W. (R.P.), Union St.
Higgin, W., Cavendish St.
Iddon, T., Sunderland Ter.
King, J., Lightburne Av. (Plasterer)
Roche, D., 35 King St. (Plumber)
Todd, F., The Gill (Painter)
Tyson, T. F. & Sons, Church Walk
Wearing, N., Ellers (Joiner)
Wren, T. J., Brogden St.

URMSTON.

Spark, J., Station Rd.

WALKDEN, Manchester.

Cocker, J., 85 Walkden Rd.
Entwisle, T., 11 Memorial Rd.

WALTON (see Liverpool).

WARRINGTON.

Collin, R. W. & Son, Marson St.
Davenport, C. W., Stockton Hth., nr.
Dolan, J., Napier St.
Fairclough, H., Howley
Wallington, G., Froghall Lane
Warburton, F., Stockton Heath

WATERFOOT, Manchester.

Ashworth, W., Melbourne St. (Mason, &c.)
Birtwistle, J., Burnley Rd. (Plumber)
Coupe, W. & H. (Masons)
Holt, E., Piercy
Hoyle & Bolton, Carr Lane Wks.
Lord & Hodgson, Bacup Rd. (Plbrs.)
Simpson, W., St. James St. (Mason)
Taylor, Sons & Co., Ltd., Burnley Rd. (Plasterers).
Watson, W. T., Burnley Rd. (Plstr.)

WATERLOO, Liverpool.

Bailey, R., 13 Gt. George's Rd.
Breckell, T., 34 Mount Pleasant
Littleton, J., King St. (Plasterer)
Littleton, W., Brighton Rd. (Joiner)
Rimmer, J. H., 2 Picton Rd. (Joiner)
Telford & Hindson, 41 Mount Pleasant (Plumbers)

WESTHOUGHTON, Bolton.

Bateson Bros., Bolton Rd. (Painters)
Boardman, W., Church St. (Slater)
Boulton & Sons, Bolton Rd. (Joiners)
Coop, J., 289 Church St. (Painter)
Coop, T., Chorley Rd. (and Joiner)
Dickenson, J., Albion St.
Dootson, E., Park Rd. (Joiner)
Gerrard, S., Silk St. (Joiner)
Green, E., Market St. (Decorator)
Gregory, C., Church St. (Plasterer)
Hodkinson & Coop, Church St. (Jrs.)
Hurst, G., Lwr. Leigh Rd. (Painter)
Kay, T., Church St. (Plasterer)
Lee, T., Park Rd. (Joiner)
Leigh, R., Church St. (Painter, &c.)
Watkinson, D., & Sons, Church St. (Stonemasons)
Wilson, T., Church St. (Plumber, &c.)

WHITEFIELD, Manchester.

Evans, T.
Jackson, J. & Sons, Livesey St.

WHITEWELL BOTTOM, Manchester.

Ashworth, R., Burnley Rd.
Whittaker, R. & Son, Burnley Rd.

WHITWORTH, near Rochdale.

Farrow & Shaw, Market St. (& Joiners)
Law, J. (Mason)
Sutcliffe Bros., Hall St. (Masons)
Varley Bros., Market St. (Plumbers)
Warmsley, M., Market St. (Plumber)

WIDNES.

Beech, J., Milton Rd.
Hemmingway, C., 16 Church St.
Mercer, J., Cow Lane, Ditton, near
Sadler, T., Widnes Rd. (Joiner)
Sayce, G. E., Appleton Quarry

WIGAN.

Ablett, D.A., Sovereign Rd. Saw Mills
Blackburn & Leyland, 12 Standishgate (Plumbers)
Darbishire & Collett, Darlington St. E.
Dawson, R. G., Station Rd.
France, W., Newtown
Gaskell, W. & Son, Millgate (Plms.)
Gee, H. L., Millgate
Holmes, C. B., Cross St. Saw Mills
Johnson, J. & Son, 9 Caroline St.
Lea, J. & Son, Rodney St. (Painters)
Livesey & Parkinson, Princess St. (Plasterers)
Sharples, A., Essex St., Scholes
Swift, J., Wallgate (Painter)
Webster & Winstanley, Wallgate (Masons)
Wilson, J. & Co., Caroline St.
Winnard, W., 185 Wallgate

WOOLTON, Liverpool.

Hill, T. F.
Jones, T., Allerton Rd.
Lawton, T. & Sons (Plumbers)
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Fish, S. T., Wood St.
Orton, T. & Son, Kilwardby St.
Slate & Harrison, Overseal
Slater & Son, Market St.

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Scurr, Jowett & Co.

BARWELL, Hinckley.

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Moss, W. (Exors of), Belvoir Rd.
Orton, E., London Rd.
Roberts, W., Melbourne St.

COSBY, Leicester.
Heighton Bros.
Pochin, F. J.

DUNTON BASSETT, Lutterworth.
Lord, T.

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Bennett, R. T.
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ENDERBY, Leicester.
Langton, G. & Sons

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Frisby, C. E.

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Bonshor, E. H.

GLEN MAGNA, Leicester.
Batchelor, J. & Sons
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Farmer & Greaves, Mount Rd.
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Garner, T., Mill Hill Rd.
Goodman, T. & Sons, 3 Albert Rd.
Hall & Son, Queen's Rd.
Jeffcote, A., Derby Rd.
Littler, W. H., Trinity Lane
Phillips, E. P., The Spa
Rowley, T., Derby Rd.
Sutton, E., Hill St.

HOSE, Melton Mowbray.
Preston, W.

HUGGLESCOTE.
Griffin Bros., North St.
Hutton, T., North St.

HUNGARTON.
Broughton, C.

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Bailey, J., Brougham St.
Beasley, T., 53 Cedar Rd.
Bellamy, N. B., Waterloo St.
Bentley & Co., 46 Clarendon Pk. Rd.
Bland, & Co., Redcross St.
Bowles & Son, 8 Gladstone St.
Bradshaw Bros., Tudor Rd.
Briers, S., Upper Brunswick St.
Brooks, T.W., Clarendon Rd.
Brown, T. D. & Son, Church Gates
Carr, A., Laurel Rd.
Chambers, A. & W., 163 and 165 Belgrave Gate
Chambers, W. & Co., 12 Melton St., Belgrave Gate
Chapman, J., Rutland Av., Aylestone Rd.
Clark & Garratt, 7 and 9 Willow St.
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Copeland, B., 40 Crafton St.
Cox & Gilkes, Andrewes St.
Durance, J., Maynard Rd.
Duxbury, G. & Son, Church Gate
Ellingworth, J., East Park Rd.
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Flude, G. F., 94 Curzon St.
Fox, E., Evington St.
Garner, F., Loughboro'Rd., Belgrave
Gimson, W. & Son, 47 Welford Rd.
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Horspool, C., Belgrave Rd.
Hoult, T., 13 Stoughton St.
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Jewsbury, J. O., 188 London Rd.
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Marston, J. & Son, Parry St., Humberstone Rd.
Martin, W., 104 Sherard Rd.
Mason, J. & Sons, Mere Rd.
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Moore, A. W. & Co., 195 Clarendon Park Rd.
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Neal, F., St. George St.
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Symons, W. G., Bolton Rd.
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Simpson, J. H., Melton Rd.
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Widdowson, J., Highcross St.
Wood, T., St. Nicholas St.
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Read, F., Leopold St.
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Smith, G.

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Butteriss, C., King St.
Clarke, E., Snow Hill
Denman, T. & H., Norman St.
Fendell, R., Burton St.
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Pettifer & Co., Asfordby Rd.
Rowe, G., Saltby, near
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Wartuaby, J. R., Charlotte St.

MOUNTSORREL, Loughboro'.
Dilkes, J.
Morris, H.

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Lord, W.

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Sanders, J., Meeting St.

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Shipman, B.

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Sleath, F.

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Handford, C.
Hall, C., Queen St.
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Phipps, J.

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Tompkins, J., Vicarage St.

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Sharpe, W. H.
Wright, O., & Co.

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Westley, W.

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Peace, T., High St.
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Golling, T. W.

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Wood, A., Commercial Rd.

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Jackson, S.
Kinsley, J., Senr.
Kinsley, W., Jun.
Marshall, J.

BARNETBY.
Manders, J. R.

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Davis & Hewitt, 12 Burgate
Stamp, J., Brigg Rd.

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Clarke, J.

BINBROOKE, Market Rasen.
Maultby, H.

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Clark, H., Horncastle Rd.
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Norris, S. F., Castle St.
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Parker, H. W., & Son, 46 Wormgate
Peck, F., Tawney St.
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Gray, T., Brewery Lane
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CONINGSBY, Lincoln.
Jackson, W., Boston Rd.

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Ellis, J.

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Smith, J. C.

DONINGTON, Spalding.
Barnsdale, G., Market Place

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Newton, J. B.

FISKERTON, Lincoln.
Sharpe, E.

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Kirk, C., York Ter., Sandsfield Lane
Scott, W., 11 Morton Terrace
Woods, E. H., Balfour St.
Woods, J., Morton Terrace

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Clark & Taylor, Barrowby Rd.
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Cragg, W., Caythorpe, S.O.
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Hawley & Franklin, 21 Swinegate
Hockley & Co.
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Parks, D., 5 Swinegate
Priest, G., 69 Grantley St.

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New Church, Hornsey; New Church and Parsonage, Hampstead; Jas. Brooks, Esq., Architect.
Substructure of Metropolitan Fruit and Vegetable Market; Heavy Additions at Foreign Cattle Market, Deptford; City Architect.
Denton Manor; New Church, Aslockton; Heavy additions to Chichester Asylum; Sir A. Blomfield & Sons, Architects.
New Churches, Llandudno and Harrogate; John Oldrid Scott Esq., Architect.
St. Stephen's Schools, Paddington; Ingram House, Stockwell; A. T. Bolton, Esq., Architect.
Restoration of All Saints' Church Nave and Tower, Derby; Temple Moore, Esq., Architect.
Heavy Additions to the Surrey County Asylum, Brookwood, near Woking; F. G. Howell, Esq., Archt.
Officers' Quarters, Bordon Camp, Hants, for the War Office.
New Mansion, Milland, Surrey; H. Alexander Pelly, Esq., Architect.

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Dixon, C. W., 73 Alexandra Rd.
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Hatcliffe, M., Cross St., Cleethorpes
Hewins & Goodhand
Hodson, H., Victoria St. W.
Hollingworth, W., 40 Victoria St.
Ion, W., Sydney St., Cleethorpes
Kirton, W., 186 Welholme Rd.
Lewis, C., 78 Daubney St.
Marrows, H., 84 Garden St.
Nightingale & Danby, Convamore Rd.
Porkess, U., Clayton St.
Smith, G. & J., Lord St.
Snowden & Sons, Albion St.
Thompson, J. H., & Sons, Victoria St.
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Belton & Son, 10 Lincoln Rd.
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Harrison, J. M., Norman St.
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Willows, E.

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Pattinson, F., Brook House
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SAXILBY, Lincoln.
Middleton, J. B.

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Lusby, T.

SCAMPTON.
Hill, J.

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Close, J., Wells St.
Hollingsworth, A. C., Allanby St.
Hollingsworth, W. A., Wells St.
Skinner, T., Winterton Rd.
Thompson, C. E., Clark St.
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Batchelor, A. J., High St.
Collins & Charles, High St.
Lacey & Eyden, Springfield Rd.
Rackham, J. C. (see Advt.)
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"Duck-in-the-Pond" Public-house, for Messrs. Benskin's; R. A. Briggs, Esq., F.R.I.B.A., Archt.

Drill Hall at Wealdstone; T. Vernon, Esq., Archt.

Extensive Additions, Alterations, &c., to various Gentlemen's Residences in this neighbouhood.

Stabling for W. M. Ogilvie, Esq.; Arnold Mitchell, Esq., F.R.I.B.A., Archt.

House at Harrow Weald for Miss E. Brown; Arnold Mitchell, Esq., F.R.I.B.A., Archt.

POTTER'S BAR.
Worboys, S.

SHEPPERTON, S.O.
Lucas & Son, Station Rd.

SOUTHALL.
Brown, E. C., Northcote Avenue.
Brown, W.
Gibson, G.

STAINES.
Baker, J. A., & Co., Ltd., Church St.
Bone, Messrs., High St.
Jordon, A., 4 Clarence St.
Powell, J., Richmond Rd.
Rogers, F.

STANMORE, GREAT.
Kirby, G., & Sons
Lawford, H.

SUNBURY-ON-THAMES.
Gurney, T.

TEDDINGTON.
Collinson, J. F., Walpole Rd.
Drake, C., High St.
Porter, J. W., High St.
Rice, W., & Sons, High St.
Rumsey, A., Little Queen's Rd.
Smith, S., Somerset Rd.

TWICKENHAM.
Eldridge & Son, St. Margaret's Rd.
Messom, T. J., & Sons, Grosvenor Rd.
Rose, J. & Sons, 10 The Green.
Slade, A., Twickenham Green
Slark, W., Heath Rd.
Snell, J. C., 63 Arragon Rd.

UXBRIDGE.
Borton, H., & Sons, 16 Cowley Rd.
Briant, S., & Son, Cowley Rd.
Fassnidge & Son, 42-44 St. Andrew's
Grainge, H., 43 High St.
Kearley, C. F., 11 High St.
Ward & Son., Wellington Rd.
Westacott, T., Elthorne Rd.

WEALDSTONE, S.O.
Bailey, J. & J., Claremont Rd.
Dymock, M., Canning Rd.

Monmouthshire.

ABERBEEG, S.O.
Lewis, D., Llanhilleth
Williams & Rogers, Cwm

ABERCARN.
Davies Bros., West End
Harris, A., Rhysiog Rd.

ABERGAVENNY.
Foster, T. S., Frogmore St.
Thomas, J. G., & Sons, Lion St.

ABERSYCHAN.
Arthur, W., Snatchwood
Meara Bros.

ABERTILLERY.
Bagley, N., & Co.
Gaen Bros., Brynteg
Hall, R., Portland St.
Skidmore & McWhirter, Princess St.
Smith, W., Queen St.
Tudor, R., Alma St.

ABERTYSSWG.
Warn, A., The Green

CHEPSTOW.
Griffiths, J. & G., Church St.
Phillips, J., 27 Welsh St.

CWMBRAN, Newport.
Simmonds, C. W., The Bridge

CRUMLIN, S.O.
Monks, J., & Co.
Moyan, T. L.

Monmouthshire—*continued.*

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Davies, S. T., Eureka Place
Evans, T., Llebanus Rd.
Jones, E.
Mortimer, J.
Thomas, D. E., 7 Victoria Buildings

GRIFFITHSTOWN.
Richards, A. & J.

MAES-Y-CWMMER.
Yeo, W., Fleur-de-lis

MONMOUTH.
Jones, T. H., Monnow St.
Parry, O., 17 St. Mary St.
Pembridge, T.
Williams, A. H., 21 Monnow St.

NANTYGLO, S.O., Monmouth.
Aubrey, W., Greenfield
Morgan, J. T.

NEWBRIDGE.
Morgan, C. F.
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NEWPORT.
Bambury, H. J., 121 Caerleon Rd.
Blackburn, W. M., Mill St.
Brownscombe, A. W., Temple St.
Case, W. T. 196 Chepstow Rd.
Charles, J., 33 Pugsley St.
Chick, J. W., & Sons, Capel Crescent
Clements & Co., Constance St.
Cock, J., 5 Cardiff Rd.
Collier, F. J., 17 Barrack Hill
Cox, I., Dock St.
Davies, D. J., Marlboro' Rd.
Davies, W., 5 St. Woolos Rd.
Daymond, J., Marlborough Rd.
Dean, J., 50 William St.
Garland, T. J., 14 Charlotte St.
Hazell, A., 164 Caerleon Rd.
Herbert, Constables Lane Commercial Rd.
Hooper, J., 45 Bridge St.
Hughes, W., 61 Risca Rd.
Jenkins, J., & Son, Clifton Rd.
Jenkyn, J. B., 122 Chepstow Rd.
Jewell & Sons, Goodrich Crescent
Jones, W., & Son, Rutland Place
Jordan, E. C., Harrow Rd.
Knowler, J., Corporation Rd.
Linton, W. A., 75 Caerleon Rd.
Lock, C., Caerleon Rd.
MacNab, R., 25 Carlton Chmbrs., High St.
McMullen, A., Gibbs Rd.
Martin & Son, Clytha Park Rd.
Matthias, J., Bryngwyn Rd.
Moon, R., 1 Park Sq.
Moore, W., 20 Daniel St.
Morgan, A. S., & Co., 1 Godfrey Rd.
Parfitt, H. E., Gibbs Rd.
Powell, T., 51 Malpas Rd.
Reed, C. H., 1 Malpas Rd.
Richards, E., 39 York Place
Shopland C., 95 Victoria Avenue
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Morgan, J.

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Morgan, D., Queen Sq.
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Botterill, W. J.
Tuddenham, J. H., Burgh Rd.
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Ludkin, W. D.

BERGH APTON, Norwich.
Redgrave, M.

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Pollard, J. C.

BUXTON Norwich.
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COSTESSEY.
Gunton & Palmer

CROMER.
Bullen, H., 24 Alfred Rd.
Jillings, J.
Porter, W., Holt Rd.
Riches, G., Church St.

DEREHAM.
Crane, W., Great Fransham
Larner, W. J., Commercial Rd.
Mack, H., Norwich St.
Took, G., Church St.

DERSINGHAM, King's Lynn.
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Hudson, W.
Riches, G.
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DICKLEBURGH, Scole.
Limmer, W.
Wells, W.

DITCHINGHAM.
Morris, R.

DOWNHAM MARKET.
Collins, J. W.
Gage, W.

FAKENHAM.
Fisher, H., Hempton Green
Needs, J.
Tuthill, C., Wells Rd.

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Cockrell, W., High St.
Fuller, E. J., 11 Baker St.
Fuller, G. J., 135 High St.
Fuller, J. L., Nile Rd.

Norfolk—*continued.*

Harvey, H. J., 229 High St.
Woods, E. S., Drudge Rd.

GRIMSTON.
Horsley, D., Grimston Rd.
Rudd, J.

HANWORTH, Norwich.
Chapman, R.

HARLESTON.
Hipperson, H. A.
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Leach, W. A.
Nelson, J.
Southgate, F.

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Dye, R., South Gates
Forman, A. F., 31 Railway Rd.
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Spaulding & Sons, Broad St.
Tash, Leangley, & Co., Friars St.

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Hewitt, G.

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Gamble, G.

MUNDESLEY, North Walsham.
Gray, G., Paston
Wilkins & Randall

NORTH WALSHAM.
Cornish & Gaymer
Eastoe, R.
Laycock, W.
Mace, W.

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Daws, R., & Son, Dereham Rd.
Downing Bros., Victoria St.
Filby, F. G., 191 Earlham Rd.
Gill, T., 28 Rupert St.
Greengrass, H. C., 58 Pitt St.
Harrison, C. F., Cathedral Close
Hawes, G. E., & Sons, Duke St.
Holmes, J., Red Lion St.
Howes, J. J., 27 Pottergate St.
Hurn, J., 37 Surrey St.
North, W., & Son, St. Stephens' St.
Podd & Fisher, 33 Dereham Rd.
Scarles Bros., Queen's Rd.
Smith, J. S., 24 City Rd.
Tinkler, G. S., Sandringham Rd.
Tyrrell Bros., 65A Pitt St.
Utting, S. W., 4 Sandringham Rd.
Wilkins, S. R., 37 W. Pottergate St.
Youngs, J. & Son, 99 Chapel Field Rd.

POSTWICK, Norwich.
Riches, R. W.

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Blyth, J. & Son
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Batchelor, J., & Son, Bumstead Hill

STOKE HOLY CROSS, Norwich.
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SWAFFHAM.
Impson, J. F., Norwich Rd.
Jeffries, G., Lynn Rd.
Mallon, R., Station Works
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Tommas, T.

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Boughton, W., & Sons, King St.
Holden, S., Station Rd.

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Johnson, J. S.
Reeder, H. W.

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Elworthy, E., & Co.

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Dagless, J.

WALSOKEN.
Flood, F.
Rawlin, A. W., Park St.
Tann, H., Norwich Rd.
Walie, W., Norwich Rd.

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Adcock & Sons
Waters & Son

WELLS.
Hinson, T., Theatre Rd.

WINTERTON, Gt. Yarmouth.
Beech, A. A.

WORSTED, Norwich.
Blower, D.

WYMONDHAM.
Bailey & Son, Hethersett
Semmence, E. L., Middleton St.
Skipper & Barkham, Fairland St.

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Balls, J., 38 Northgate St.
Banks, R., Nelson Rd.
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Chasteney, G., Regent Passage
Cooper, I. S., Theatre Plain
Davy, A. J., 48 Market Rd.
Easto, R., Dene Side
Emmerson, F., Friars Lane
Flaxman, S. B., 59 St. Peter's Rd.
Grimble, F., 219 Northgate St.
Gunns, A., Rampart Rd.
Harman, J. D., Northgate St.
Jary, A., Rampart Rd.
Leggett, J., 39 Dene Side
Moore & Sons, Anson Rd., Southtown
Newby, A. J., Row 99, Middlegate St.
Pestell, J. E., 71 St. Peter's Rd.
Read, J. S., 85 Crown Rd.
Ward, J, 83 North Quay
Wiseman, C., 40 Wellesley Rd.

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Streather & Son
Streather, J., Jnr.

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Bosworth, J., New St.

DENFORD, Thrapston.
Freeman & Son

EARLS BARTON, Northampton.
Harris, J.

EASTON, Stamford.
Perkins, J.
Perkins, W.

EYDON, Byfield, S.O.
Kench, T.

FINEDON.
Abbott, S.
Henson, F.
Titmus, J.

GEDDINGTON, Kettering.
Patrick, J.

IRCHESTER.
Berril, T. & C., High St.

KETTERING.
Andrews, C., Charles St.
Bamford, A., Stamford Rd.
Drevor, O. P., Round Hill Rd.
Goodwin, J., Gas St.
Henson, C. & F., Regent St.
Henson, H.F., (Exors of), Eskdaill St.
Judkins, H., Regent St.
Kettering Co-operative Builders Ltd., Havelock St.
Lewin, A., & Son, 1 Duke St.
Manby, S., Dalkeith Place
Manton, S., Havelock St.
Neal, J. C., Station Rd.
Norris, J., St. Peter's Avenue
Payne, W. J., Upper Field St.
Phillips & Slow, Bath Rd.
Smith & Bunning, Lancaster Rd.
Smith, Edmunds & Co., Havelock St.

MILTON, Northampton.
Asplin, J., & Son
King, G.

MOULTON, Northampton.
Buswell, H.
Tanner Bros.

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Beardsmore, W., Stimpson Avenue
Chown, A. J., Edinburgh Rd., Queen's Park
Cosford, R., Connaught St.
Crow, Derngate
Douglas, J., London Rd., Far Cotton
Dunham, A., Commercial St.
Finnegan, R., Broad St.
Fisher, G. J., 6 Castilian Terrace
Green, E., Palmerston Rd.
Green, H., Ashburnham Rd.
Green, T., Exeter Rd.
Hawtin, A. P., 102 Colwyn Rd.
Heap, W., Lea Rd.
Higgins, W., 13 & 15 Gray St.
Higgs, T., Cedar Rd.
Martin, H., Thenford St.
Sharman, G. F., Abington Avenue
Sharman & Son, Baker St., Semilong
Souster, G. W., 46 Lower Mounts

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Siddon & Sons

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Neaverson, E.

PETERBOROUGH.
Bailey, T., Eastfield Rd.
Beech, E. W., 32 Lincoln Rd.
Bridgefoot, J., & Son, Woodstone
Brown, G., All Saints' Rd.
Collison, F., Palmerston Rd.
Cracknell, J., Huntly Grove
Ellington, T., Norfolk St.
Furnis, T., Cromwell Rd.
Gray, D., Lincoln Rd.
Guttridge, J., Park Rd.
Hammond, H., Eastfield Rd.
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Lucas, J., Dogsthorpe Rd.
Measures, T., 48 Padholme Rd.
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Nichols, R. J., Lincoln Rd.
Peake, H.
Rowe, J. W., Millfield
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No sub-contracting. Trade throughout.

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Hacksley Bros., Regent St.
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Marriot, R., Ranelagh Rd.
Smith, G. A., Park Rd.
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Northamptonshire.

BARBY, Rugby.
Hopkins & Son, Lr. Hillmorton Rd.

BLISWORTH.
Chester, W.

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Richardson, W., Low House

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Whinham, J. (Mason)
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Earnshaw, R., Middleton St.
Gibson, T. (Plumber)
Green, A. E. (Plumber)
Jordan, A., Church St. (Joiner)
Young, N. (Painter)

BELFORD.
Muckle, T.

BELLINGHAM.
Martinson, J.

BENWELL, Newcastle-on-Tyne
Dunn, J., New Benwell
Prudhoe, J., Benwell Village
Thirlwell, P., & Son
Worley, W., jun., Condereum Rd.

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Cockburn, J., & Son, Castle Gate,
Elliot, H., & Son, Tweed St.
Gray, M., & Sons, Ravensdowne
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Douglas, J., Windsor Terrace
Dykes, W., Braeside
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Pattison, C.

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Bowman & Garvie, Bridge St. (Dects.)
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Bloor, G., Liverpool Rd.
Bowden, J., 65 Jesmond Dene Rd.
Braithwaite, J. W., Millers Lane
Brough, Jackson & Harris, 177 Stanton St.
Bruce, A., Back Jefferson St.
Burnup, J., & Son, 77 Clayton St.
Common, T. & W., 9 Grainger St.
Craven, J., Westgate Rd.
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Donkin, J., Corporation St.
Douglas, J. G., Northumberland Rd.
Easten, S., Ltd., Milburn House
Elliott Bros., Otterburn Ter., Jesmond
Elliot, J., Hamburgh Chbs., Quayside
Emley & Sons, Ltd., Westgate Rd. (Plumbers, &c.)
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Ferguson, J. C., St. Mary's Place
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Franklin, W. & Sons, Ltd., Manor House Rd.
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George, E. T., St. Ann's Yard, Breamish St.
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Contracts Executed:—
Otterburn Hall, for Sir C. W. Bell. Otterburn Towers, for Howard Pease, Esq. Hartley College, Manchester, for W. P. Hartley, Esq. Bellister Castle, Haltwhistle. Town Hall, Consett. The Riding, Hexham, for C. W. C. Henderson, Esq. Extensions to General Post Office, Newcastle. General Post Office, Carlisle. St. Gabriel's Church, Heaton, Newcastle. Various Farms for Lord Armstrong, and His Grace the Duke of Northumberland.

Hope, J. C., Elswick Rd.
Hughes, S., Liverpool Rd.
Hunting & George, South St.
Huntley, J., 53 Shields Rd.
Hutchinson, T., Elswick Rd.
Jackson, J. & Sons, Corporation St.
Kirk & Brown, Pottery Lane
Lowry, J. & W., 1 Corporation St.
Lunn, J., 8½ Snowdon St.
Mauchlen, G. H., Moor St.
Maughan, N. W., 168 Westgate Rd.
Middlemiss Bros., Stepney Bank
Moor, G. H., Forth St.

Northumberland—*continued.*

Nixon, E., Crow's Nest Lane
Parkinson, J. & Sons, Ltd., Breamish St.
Poole, J., West St.
Robertson, A., & Son, 36 Market St. (Painters, &c.)
Robson, J. J., Shieldfield Lane
Robson, J. W. Rosedale Terrace (Sewers)
Scott, W., Ltd., 21 Grainger St. W.
Simpson, G. E., Ellison Terrace
Smart, J., Cails Yard
Smurthwaite, T., 46 Kenilworth Rd.
Thompson, W., Ayton St.
Tweddle & Co. Bath La. (Plumbers)
Veitch & Jordan, Barrack Rd.
Walker, H., & Son, Ltd., 55 Westgate Rd. (Plumbers, &c.)
Weatheritt, T., Worswick St.
Weatherley, E., Villa Place
Weir, W. T., Northumberland Rd.
White, T. & J., Northumberland Rd.
Wilkinson, W. B., & Co., Ltd., 13 St. Mary's Place (Plaster, Concrete, and Fireproof Works)
Wilton, S., jun., Shaw St.

NORTH SHIELDS.
Addison & Son, Coach Lane (Slaters)
Bradley, W., 173 Stephenson St.
Chrisholm, J., George St.
Coulson, J., King St.
Coulson, T., Victoria Place
Dagnan & Rider, Camden St. (Elec. Engineers)
Dalziel, T., Tynemouth Rd. (Plumber)
Dobinson, T., Preston Village
Dunn, J. H., Pearson Ter. (Plumber)
Fleming & Co., Nile St. (Painters)
Foster, D. W., Tynemouth Rd. (Mason & Sculptor)
Grierson & Co., Howard St. (Plbrs.)
Grieve, T., & Co., Bedford St. (Plmbrs.)
Heslop, J. T., Bedford St. (Plumber)
Hughes, T., Howden Rd. (Carpenter)
Johnson, W., & Son, Suez St.
Kent, R. A. & S., 94 Church Way
Macintye, J., Bedford St. (Plumber)
Middleton, G., 34 Rudyard St. (Ptr.)
Morrison, R., Cecil St. (Carpenter)
Nicholson, Tynemouth Rd. (Pntr.)
Norris, J., Russell St.
Park, G., Tynemouth Rd.
Park, W. H., Bedford St. (Painter)
Patterson, N. A., Tyne St. (Plumber)
Pearcy & Campbell, Bedford St. (Plumbers)
Pelton, J., 22 George St.
Purvis, H., 78 Saville St. (Plumber)
Ritson, J., Camden St. (Plumber)
Robson, J., Percy Square
Rutherford & Steven, Tynemouth Rd. (Smiths)
Scott, R. D., Trinity Lane (Joiner)
Simpson, W. & Son, Linskill St. (Ptrs.)
Simpson, J. & W., 2 Rudyard St.
Steele, J., 162 Stephenson St. (Cptr.)
Tait, J., 20 Camden St. (Painter)
Taylor, W. B., Railway St. (Plumber)
Ward, W. W., 22 Howard St. (Pntr.)
Yeeles, W. H., Stephenson St.

PONTELAND, Newcastle-on-Tyne.
Henderson, J., & Sons

ROTHBURY, Morpeth.
Davison & Pyle
Muckle, T.

SPITTAL.
Burn, A. C.
Storar, D., & Sons (Masons)

TWEEDMOUTH.
Beveridge, M., Main St. (Mason)
Brigham, W., & Sons (Joiners)
Davidson, T., Main St. (Joiner)
Elliott, H., & Son, Main St. (Masons)
Hope, J., Main St. (Plumber)
Sidey, A. (Slater and Plasterer)
Sidey, R. W., Main St. (Plumber)
Smart, T., & Sons (Sltrs. & Plastrs.)
Turner, J., & Son (Slaters & Plastrs.)

TYNEMOUTH.
Langland, R., Allendale Terraee
Miller, J. L., Prior's House
Robson, T., Percy Square

WALLBOTTLE, Newburn.
Anderson, J. (Mason)
Wilson, G. (Joiner)

WALKER-ON-TYNE.
Roxborough, W., Low Walker (Plbr.)
Watson, T.

WALLSEND, S.O.
Dixon, G., Philiphaugh
Duffey, J., Denham Terrace
Green, T., North Rd.
Hedderley, T., High St. W. (Plumber)
MacHarg, J., Renfrew Rd.
McGraw, T., Station Rd.
Potts, J., Holley St.

WARK.
Welton, W., Mellow Burn

WARKWORTH, Acklington.
Bryson, J. (Joiner)
Green, J. & G.

WHITLEY BAY.
Boaden, W., Beach Avenue
Brewis, G., Whitley Rd.
Connell, F., Edward Rd. (Painter)
Davies, A. L., Park View
Gray, W., 25 Park Parade
Greenwell, J. H., Redvers Villa, South Parade
Hilton, J., Marine Avenue
Lisle, G., Stanley Ho., Whitley Rd.
Miller, H., Windsor Gardens
Nesbit, R. H., & Son, Hills Head, Monkseaton
Patterson, T., Brook St.
Renner, W., 1 Collingwood Terrace
Ritchie, N., Whitley New Rd.
Robson, G., Roxburgh Terrrace
Rowell, W., 4 Alnwick Avenue
Smelt, N., & Son, Victoria Terrace
Styan, A., 90 Oxford St.
Taylor, A., Norham Rd. (Plumber)
Taylor, H. A., Laburnum Avenue (Plumber)
Taylor, M., 178 Whitley New Rd. (Painter)
Thorr, J., Norham Rd. (Painter)

WIDEOPEN, Dudley, S.O.
Gray, A.

WILLINGTON-ON-TYNE.
Cooke, W., Rose Hill
Davidson, J., jun., Rosehill Rd.
Weir, W. T., Howdon
Wortley, J., Gladstone St.

WOOLER, S.O.
Beattie, G. & J., High St.
Hogarth & Crangle
Redpath, J., High St.
Todd, J., Tenter Hill
Tulley & Sons, Church St.

Nottinghamshire.

ANNESLEY WOODHOUSE.
Tate, J.

ARNOLD.
Allcock, A., Front St.
Herring, J. & Son, High St.
Jew, H. & Son
Wayte, A. & Son, Nottingham Rd.

BALDERTON, Newark.
Johnson & Vessey, Grove St., New Balderton
Wand, F., Main St.

BASFORD, OLD and NEW
(*see Nottingham*).

BEESTON.
Fletcher, W., Humber Rd.
Turner, W.

BULWELL.
Caunt, A.
Evans, F., Highbury Rd.
Holland, J., 18 Main St. (Joiners)
Pinkett, W., Crown St. (Brklr.)
Smith, J., Sycamore Works
Stainforth, W., 42 Latimer St.
Tilley, R.

CARLTON.
Harper, T. H., Gedling Rd.
Key, A., Station Rd.
Pringle, J. H., Station Rd.
Tegerdine, T. G., Urban Rd.

EAST MARKHAM, Newark.
Wilson, T.

EASTWOOD.
Allcock, E., & Sons, Hill Top
Durant, W., Albert St.
Stubbs, F. G., Nottingham Rd.
Witham, J., Nottingham Rd., Hill Top

EDINGLEY, Southwell.
Pettener, S.

FARNDON, Newark.
Fox, W.

GEDLING.
Bellamy, T.

Nottinghamshire—*continued.*

GOTHAM, Derby.
Haywood, J.
HUCKNELL-TORKARD.
Munks, J. A.
KIMBERLEY.
Birkin & Rowland, Victoria St.
Brassington, T., Main St.
Donnelly, W., Station Rd.
Green, G., James St.
KIRKBY-IN-ASHFIELD.
Bains, W., East Kirkby
Hoole, A. W., Woodlands
KIRKLINGTON, Southwell.
Rickett, D.
LANGWITH, Mansfield.
Collingham, J.
LOWDHAM, Nottingham.
Harper, T. H.
MANSFIELD.
Fisher Bros., Westmount Works
Frisby, S. & G., Belvedere Rd.
Greenwood, J., Wood St.
Moore, F. H. and J. W., Shirebrook
Moore, T. & R., Central Bldgs.
Percival, C. G., Newcastle St.
Tweltridge, Bridge St.
Vallance & Blythe, Duke St.
Vallance, C., Clumber St.
Vallance, W. A., Westgate
MANSFIELD WOODHOUSE.
Ashley, J., Park Rd.
Stevenson, G., Park Rd.
NETHERFIELD, Nottingham.
Lewin, J., Forester St.
NEWARK.
Baines, C., Appletongate
Brown, G., & Son, London Rd.
Cosham, T., Bowbridge Rd.
Crossland, F. W., 78 North Gate
Dobney, G. E., 15 Victoria St.
Duke, F., Victoria St.
Henderson, G., Barnby Gate
Mackenzie, T. G., & Sons, King's Rd.
Smith, T., & Sons, Beacon Hill

W. SMITH,
Builder and Contractor,
MILLGATE,
NEWARK-ON-TRENT.
Telephone 56.
Works executed & in hand include— Ossington Coffee Palace, Newark; Hospital, Newark; J. Hole & Co., Ltd., Brewery, Newark; Unitarian Chapel, Newark; Board Schools, Newark; Science and Art Schools, Newark; New Engineering Works and Offices for Messrs. A. Ransome and Co., Ltd., Newark; Gas Works, Newark; Temporary Banking Premises for Messrs. S. Smith and Co. Newark; New Banking Premises, Newark, for the Union of London and Smith's Bank, Limited; Grove Hotel, Balderton; St. Alban's Church, Nottingham; Emmanuel Church, Nottingham; St. Catherine's Church, Nottingham; New Maltings at Newark, Peterboro', Louth, and Barton-on-Humber, for Messrs. J. Thorpe & Sons; New Maltings at Lincoln, for Messrs. J. W. & H. Branston; Midland Hotel, Newark, for Messrs. J. Hole & Co., Ltd.; New Infirmary, Newark, for the Board of Guardians.

Thrale Bros., Victoria St.
NORTH COLLINGHAM, Newark.
Millns, W. T.
NORWELL.
Clipsham, G. & J.
NOTTINGHAM,
Adams, J. J., 19½ Colville St.
Barlow, T., & Co., Beauvale Rd.
Cooper, J., & Son (Nottingham), Ld., Ayr St., Forest Rd. West
Crane, W., Ld., 80 Forest Rd.
Cuthbert, T., Patterson Rd., Hyson Green
Dennett & Ingle, 29½ Station St.
Evans, F., Mill St., Old Basford
Fish, T., & Sons, Pilcher Gate
Hind, E., Edgar Rise
Hind, S., 82 Mansfield Rd.
Hodson, J., & Son, Castle Meadow Rd.
Hutchinson, W. J, Bulwell Lane, Old Basford
Hutchinson, J. & Son, Gordon Rd.
Long, T., North Church St.
Maule, W., & Co., 304 Mansfield Rd
Messom, F., Bangor St.
Norris, W. T., 333 Lenton Boulevard
Parnell, S., 117 Sneinton Dale
Pillatt, G. A., 92 Sherwood St.
Shaw, J., 33 Sherwood Rise
Short, J. G., Newark St.
Thompson, F. M., & Sons, Wollaton St.
Vickers, H., & Son, Waterway St.
Ward, S., 7 Nelson Ter., Hutchinson St.
Whittaker, T., Traffic St.
Williamson, J. H., & Co., Castle Works, Lenton Boulevard
Woodsend, W., Lenton Boulevard
Wright, J., 55 Wilford Grove
PLEASLEY, near Mansfield.
Warner, J.
RADCLIFFE-ON-TRENT.
Barry, D.
RETFORD.
Fenton, F., Moorgate
Fenton, G., North Rd.
Hopkinson, G., & Son, Cannon Sq.
Hopkinson, T., & Son, 108 Carolgate
Hurst, G, Carolgate
Jones, C., Grove St.
Richmond, A., & Son, West St.
Swannack, C., Bridge Gate
Swannack, E., Grove St.
SKEGBY, Mansfield.
Lane, J., & Son
Wilson, R.
SOUTHWELL.
Lee, R., Westgate
Noble, R. & G., Church St.
STAPLEFORD, Nottingham.
Martin, F., Bailey St.
Moult, H. W., Nottingham Rd.
SUTTON-IN-ASHFIELD.
Beeley, H., High Pavement
Boot, G., Mansfield Rd.
Hibbert, S. D. (Exors. of), High Pt.
Shaw, H., Earlsfield Side
WARSOP, Mansfield.
Eastwood, A., & Sons
WEST BRIDGFORD.
Lovett, G. T., 6 Highfield Rd.
WORKSOP.
Allison, J. Gateford Rd.
Bacon, C., Central Avenue
Bowles & Sons, Gateford Rd.
Chadwick, A., Welbeck St.
Croft, M., Sherwood Rd.
Doncaster, J., Victoria Rd.
Ilett, C., & Sons, Gateford Rd.
Leverton, C. A., Watson Rd.
McCarrick, J., 83 Lowtown St.
Middleton, G. G., Gateford Rd.
Rollitt, J., & Son, Newgate St.
Rowsell, F., Victoria Rd.
Wright, G., Carlton Rd.

Oxfordshire.

ADDERBURY, Banbury.
Townsend, W.
BAMPTON, Faringdon.
Stone, J., Broad St.
BANBURY.
Booth, J. F., 5 Butcher's Row
Bloxham, W. J., 1 Warwick Rd.
Kimberley, J. S., Britannia Rd.
Orchard, S., & Son, Bridge Bank
BICESTER.
Grimsley, T., & Son, Causeway
Smith, J. W., Sheep St.
BLOXHAM, Banbury.
Adkins, W.
BURFORD.
Pether, C., High St.
Pether, W., The Green
CASSINGTON.
Greene, J.
CAVERSHAM.
Angliss, J. M., Hemdean Rd.
Bell, R., & Sons, Church St.
Bristow, H., Gosbrook Street

Oxfordshire—*continued.*

Bristow & Son, Queen's Rd.
Dormer, H., & Son, Gosbrook St.
Fisher, Bros., Emmer Green
Hutton, W. D., Hemdean Rd.
Lewis Bros., Church St.
Robinson, F. T., Prospect St.
Stockwell, G., Gosbrook St.
Wyeth, H. A., Ontario Rd.
CHACOMBE, Banbury.
Watkins, J.
CHARLBURY, S.O.
Burden, W.
CHIPPING NORTON.
Burden Bros., Pembroke St.
Hobbs, W. J.
Lewis, S., Market St.
CROPREDY (Leamington).
Cherry, T., & Sons
Smith, A.
CROWMARSH GIFFORD (Wallingford).
Bowden, H.
DEDDINGTON, Oxford.
Bennett, C.
Franklin, H. R., Chapel Square
Franklin, W. L.
Hopcraft, J.
DORCHESTER (Wallingford).
Kirby, J.
DUCKLINGTON, Witney.
Fisher, N.
Lock, A.
GORING-ON-THAMES.
Higgs, T.
GORING HEATH, Reading.
Winkworth, T.
HENLEY-ON-THAMES.
Hobbs, B., 30 Hart St.
Macqueen, H., Bell St.
Walden & Cox, Market Place
HORNTON, Banbury.
Miles, W.
ISLIP, Oxford.
Steele, E.
MIDDLE BARTON.
Grimsley, W.
MILTON-UNDER-WYCHWOOD.
Groves, A., & Sons
NETTLEBED, Henley-on-Thames.
Lawrence, W.
NORTH NEWINGTON, Banbury.
Busby, G.
OXFORD.
Ashley, G. J., 22 Divinity Rd.
Benfield & Co., Bullingdon Rd.
Bennett, J., 16 East Avenue
Brucker Bros., 8 St. John's Rd.
Curtis, C., 31 George St.
Fisher, D., 136 Magdalen Rd.
Hutchins, S., & Sons, Southmoor Rd.

T. H. KINGERLEE AND SONS,
Builders & Contractors,
35 QUEEN St., OXFORD.
National Telephone—145.
Telegrams—Kingerlee, Oxford.
Contractors to H.M. BOARD OF WORKS.

Knowles & Son, Holywell St.
Organ Bros., 205 Cowley Rd.
Simms & Son, 18 Kingston Rd.
Sturman, H., 17-19 South Parade
Symm & Co., 43 Little Clarendon St.
Ward, Bros., 15 Isis St.
Wooldridge, J., Frenchay Road
Wyatt, G., & Son, 67 St. Giles
PEPPARD.
Butler, C.
STEEPLE ASTON, Oxford.
Hopcraft, T.
STOKE ROW (near Henley-on-Thames).
Cox, J.
THAME.
Wells & Son
WHITCHURCH (Reading).
Goodall, T.
WITNEY.
Barnes, W., & Son, Corn St.
Bartlett Bros., High St.
Biles, T., Corn St.
Bowerman, E., High St.
Cantwell, W., High St.
Lock, J., Munster Lorell, near
Long, J., High St.
Paintin, J., Corn St.
WOODCOTE (Reading).
Winkworth, T.
WOODSTOCK.
Mitchell, J. J., & Sons, Bear Lane
WROXTON, Banbury.
Harris, W.

Rutlandshire.

COTTESMORE, Oakham.
Emerson & Co.
NORTH LUFFENHAM, Stamford.
Dickens, T. W.
OAKHAM.
Emerson, W., Northgate St.
Higgs, W., Burley Rd.
Nichols Bros., Station Rd.
UPPINGHAM.
Chapman & Son
Dalby, J., & Son, High St.
Dorman, E. M., Adderley St.
Joyce Bros., Morcott, near
WHISSENDINE, Oakham.
Cunnington, M.

Shropshire.

BASCHURCH, Shrewsbury.
Payne, J.
BISHOP'S CASTLE.
Davies, T. R., Welsh St.
BRIDGNORTH.
Head, R., & Son, Whitburn St.
Lay, T. E., Underhill St.
BROSELEY.
Smith, C. T., Church St.
Smitheman & Co., King St.
CHURCH STRETTON.
Speake, T.
DAWLEY.
Lavender, J., Portland House
Rushton, J.
ELLESMERE.
Griffiths, W., & Son
HANWOOD, Shrewsbury.
Chaloner, T.
HIGHLEY, Bridgnorth.
Ellams, J. P.
IRONBRIDGE.
Bailey, T., Madeley Rd.
Cope, W.
Lloyd, W., & Sons

Shropshire—*continued.*

KNOCKIN, Oswestry.
Griffiths, W.

LUDLOW.
Turford & Southward, Gravel Hill
Weale, B., Gravel Hill

MEOLE BRACE, Shrewsbury.
Rowlands, J., Post Office

MINSTERLEY.
Blakemore, R.

NEWPORT.
Muirhead, G. H.
Whittingham, E.

OAKENGATES.
Blakemore, J., Slaney St.
Bowler, J., Oxford St.
Millington, R. & J.

OSWESTRY.
Davies, D., Pool Rd.
Felton, W., Oswald Rd.
Jones & Evans, Willow St.
Morgan-Jones, J. E., Smithfield Rd.
Thomas, W. H., Salop Rd.

PENLEY, near Ellesmere.
Williams, G., & Son

PREES, Whitchurch.
Powell, R.

SHREWSBURY.
Bickerton, G. H., Abbey Foregate
Bowdler, & Co., St. Julian's Friars
Bullock, G., Abbey Foregate
Morris & Sons, St. Austin's Friars
Nicholas, E. H., Coleham
Pace, T., Coton Hill
Price. H., Welsh Bridge
Pritchard, T. Frankwell
Treasure & Son, 16 Chester St.

WELLINGTON.
Bright, J., Tan Bank
Carver, J., Victoria St.
Corbett & Leeds, Park St.
Pearce, A., Market St.
Roper, A., Walker St.

WHITCHURCH.
Chesters & Holland, Coton, near
Corfield, J., Wrexham Rd.
Dodd, G., & Son, New St.
Edge, G., Wrexham Rd.
Pickard, J., Dodington
Powell, R., Green End

WOORE.
Hope, K.

Somersetshire.

BARROW GURNEY, Bristol.
Child, J.

BATH.
Ambrose, S., Green Park.
Amery, F., 19 Grove St.
Bladwell, H. W., Sydenham Wharf, Lower Bristol Rd. (Stonemason)
Chancellor, E., & Sons, Green Park
Erwood & Morris, Railway Place
Hayward & Wooster, Walcot St.
Hopkins, E. A., 33 Belvedere
Howard, J., & Sons, 6 Argyle St.
Long, J., & Sons, Railway Rd.
Mercer, J. B., 31, Morford St.
Mould Bros., Westmoreland Rd.
Parsons, F. B., Railway Place
Smith, B., Widcombe Hill
Tovey & Son, Harley St.
Webb, W., Railway Place
Wibley, C., 10 West James St.
Wills, A., & Sons, Spring Gardens

BLAGDON, Bristol.
Clark, J., Rickford
Stock, E. J., Bath Rd.

BRIDGWATER.
Ashton, R., St. Mary St.

C. BRYER, Jun.,
Builder and Contractor,
BRIDGWATER,
SOMERSET.
Works recently executed include—
Cabinet Showrooms, Bridgwater, J. M. Chick, Esq., Archt., £1,300; New Corn Stores, Bridgwater, £700; Additions to Schools, A. B. Cottam, Esq., Architect, £1,150; Sewerage Works, Bridgwater, F. Parr, Esq., Surveyor, £2,300; Ditto, ditto, £1,400; New Schools, Westonzoyland, Messrs. Samson & Cottam, Archts., £1,800; New Steam Laundry, Bridgwater, Messrs. Samson and Cottam, Archts., £1,500; New Free Library, Bridgwater, E. Godfrey Page, Esq., Archt., £3,300; New Schools, Talworth Chard, Messrs. Sansom & Cottam, Archts, £2,000; 3 New Villa Residences, Haygrove, Bridgwater, Messrs. Samson and Cottam, Archts., £2,800; New Co-operative Premises, Bridgwater, J. Wyatt Hill, Archt., £1,800; New Residence, Brent Knoll, Messrs. Samson & Cottam, Archts., £6,000; New Electric Works, Bridgwater, D. West, Esq., Archt., £1,800.

Fursland, J. E., Bristol Rd.
Gleed Bros.
Green, A., Cranleigh Gardens
Kitch, J. H., Salmon Parade
Pollard, H. W., Monmouth St.
Scott, F., West St.
Squire, J., Monmouth St.

T. STOCKHAM,
Builder & Contractor,
BRIDGWATER,
SOMERSET.
Works recently executed include—
New Collar Factory, Bridgwater, £2,250; A. B. Cottam, Esq., Archt.
New Banking Premises, Bridgwater, £2,500.
New Post Office and Fittings, £1,000; H. Tanner, Esq., Archt., H. M. Office of Works.
Block of Shops, Eastover, Bridgwater, £1,500.
Villa Residences, Haygrove.
New Church and Vicarage, Langford, £3,500; Messrs. Samson & Cottam, Archts.
New Bonded Stores and Dwelling Houses, Highbridge, £1,700, for J. Burnett, Esq.
New House and Stabling, Minehead, £3,000.
New Vestry, St. Mary's Church, Bridgwater, &c.
New Motor Garage, Bridgwater, £2,000.
New Lodge, Timbercombe, R. Stark-Wilkinson, A.R.I.B.A., Archt.

Westbury, H., St. John St.
Willis, J., & Son, St. Mary St.

BRISLINGTON, Bristol.
Poole, G. L.

BRUTON.
Hobbs, T. S., High St.

BURNHAM.
Hurley, T., Victoria St.
Keats, J., Victoria St.
Poarch, F., Catharine Terrace
Pople, W. J., Victoria St.
Roberts, F., Abingdon St.

CASTLE CARY.
Francis, L. R.
Lydford, T.

CHEDDAR.
Ford & Sons

CLEVEDON.
Drewett, W. H., Old Church Rd.
Green, W. A., St. John's Avenue
Hardwidge, J., Copse Rd.
Hill, T., Old St.
Tanner, R., Old Church Rd.

COOMBE ST. NICHOLAS, Chard.
Fowler & Strickland
Shire, J. H., New Town

CREECH ST. MICHAEL, Taunton.
Way, B.

Somersetshire—*continued.*

CREWKERNE.
Bond, J. R., North St.
Lye & Sons
Parsons, W., Lye Water

CURRY RIVEL, Taunton.
Webb, S. S., Wiltown

DOULTING, Shepton Mallet.
Hodges, J. C., Manor Farm
Thrask & Son

DUNSTER.
Hine & Sons

DULVERTON, S.O.
Fisher, G. B.

EVERCREECH.
Allen & Son

FROME.
Barnes, H., & Son, Lock's Hill
Barnes, C., 8 Long Ground
Chislett, Z. S., & Son, 32 Catherine St.
Hibberd, J. S., Christchurch St. East
Hodder, J., & Sons, Broadway
Hutchings, W., Wallbridge
Seward, F., Bull's Hill

GLASTONBURY.
Dunthorn, D. R., Norbins Rd.
Fisher, R. T., Benedict St.
Merrick, F., & Son, High St.
Stead, R. J., Station Rd.

HENLADE, Taunton.
Willment, J.

HENSTRIDGE, Blandford.
Case, J., High St.

HIGHBRIDGE, S.O.
Horne, G.
Hucker, F., Church St.
Marsh, J., Church St.

HOLCOMBE, Bath.
Badman & Son
James, F. & Son

ILCHESTER.
Beaton, W., Yeovilton

ILMINSTER.
Coombs, W., Ditton St.
Hutchings & Son, Silver St.
Larywell, J., Broadway Hill

ESTABLISHMD 1875.
ALEXANDER POOLE,
Builder & Contractor,
ILMINSTER.
Works executed include—
Blundell's School, Tiverton; Messrs. Hayward & Son, Archts. Town Hall, Wellington; E. J. Howard, Esq., Archt. Corn Exchange, Chard; H. Williams, Esq., Archt. Works for the Duchy of Cornwall, Samuel Hooper, Esq., Archt. Works for the Right Hon. Viscount Portman. Wilts & Dorset Banking Co.'s Banks at Yeovil and Wiveliscombe; G. M. Seeley, Esq., Archt. Endowed and Technical Schools at Ilminster; Messrs. Price and Wooler, Archts. The Abbots' Vicarage; E. Buckle, Esq., Archt. Works for G.W.Ry. Co. New Bank at Gillingham, Dorset; Messrs. Stuckey's Banking Co.; G. H. Oatley, Esq., Archt. New Wing to Little Ven, for Lady Medlycott; Messrs. Ernest George & Yeates, Archts.; and numerous other works.

Woodland, A., Windmill Hill, Ashill

KEYNSHAM.
Carter, W., Bath Rd.

LANGPORT, S.O.
Pittard, H., & Son, Bow St.

LEIGH-UPON-MENDIP, Coleford, Bath.
Wilcox, J. & U.

MARTOCK, S.O.
Yandle, H. J., & Sons

MEARE, Glastonbury.
Stevens, A., Oxenpill

MIDSOMER NORTON.
Catley, W. A. 3 North Rd.
Tovey, J. H.
Tovey, W.

MILBORNE PORT.
Reynolds, A., & Son

MILTON, Weston-super-Mare.
Sprake, G.

MILVERTON, S.O.
Andrews Bros.
Vickery & Poole

MINEHEAD.
Burgess, J.
Burt, J., & Son
Harrison, W.
Hurford, —.
Marley, J. B.
Parker, F. & Sons
Passmore & Derrick

NORTH PETHERTON.
Clatworthy, J., & Son
Slocombe, Bros.
Townsend, F., & Son, Fore St.

NUNNEY, Frome.
Holley, Bros.
Russell, R. T., & Son

PEASEDOWN ST. JOHN.
Coles Bros.

OAKHILL, near Bath.
Emery, S., & Son

ODCOMBE, Stoke-under-Ham, S.O.
Kimber, G.

OVER STOWEY, Bridgwater.
Selleck, G.

PILL, Bristol.
Porter, W. H.

PORLOCK, Taunton.
Bond, H.
Huish & Cooksley

PORTISHEAD.
Biss, G., & Sons, High St.
Thomas, C. L.

RADSTOCK.
Bird, J., Frome Hill
Foster, T., Radstock Hill

SHEPTON MALLET.
Banfield, F., Field
Dodimead, S.

STOKE-UNDER-HAM.
Guppy, W.
Trask, C. & Sons, Norton

STREET.
Hartrey, J., High St.
Huish, F., Glastonbury Rd.
Withers, W., Cranhill Rd.

TAUNTON.
Chapman, J., Staplegrove
Coles, E. G., Mary St.
Fox, C. O., 1 Eastbourne Rd.
Gibbs, F. W., Mary St.
Handford, G., Haydon Rd.
Hartnell, F., Park St.
Jones, H., East Reach
Lowe, W. & Son, Staplegrove
Manning, T. & Son, 10 St. James St.
Moggridge, T. H., Queen St.
Payne, W. J., Canon St.
Pollard, G., & Co., Ltd., Wood St.
Poole, J., Station Rd.
Potter, W., Watcombe House
Prout, P. J., East Reach
Rendell, W., St. James's St.
Rowsell, F. W., 17 Alma St.
Small, F., Staplegrove Rd.
Smith, H. G., East Reach
Smith, W. C., Mansfield Rd.
Spear, J., Kingston
Spiller, A. J., 12 Magdalen St.
Spiller, H. J., & Son, 31 Bridge St.
Weaver Bros., Trull

UPHILL, Weston-Super-Mare.
Hart, P., & Son

WEDMORE, Weston-Super-Mare.
Wall, S.

WELLINGTON.
Bond, T., High St.
Follett Bros., Mantle St.
Sweet & Burge, Mantle St.
Twyford, J., Mantle St.

WELLS.
Bray, W., 54 St. Thomas St.
Cock, R. C., Portway
Dell Bros., 24 Union St.
Gardner, J., Chamberlain St.
Richards, S. T., High St.
Sheppard, H. A., South St.
Webb, F. S., Broad St.
Wicks, T., & Son, Sadler St.

WESTBURY, Wells.
Dennis, J., & Son

WESTON-SUPER-MARE.
Addicott, C., Locking Rd.
Dyer, W., & Son, Manor House
Gibbs, L., & Sons, Orchard St.
Hando, J., Oxford St.

Somersetshire—*continued.*

Harvey, F. L., Waterloo St.
Palmer, J., Bambridge Ho., Boulevard
Palmer, T., & Son, Boulevard
Stokes, G. & J. E., Jubilee Rd.
Stradling & Son, Oxford St.
Taylor, C., & Son (see Advt.)

WHITCHURCH, Bristol.
Kingston, W.

WILLITON, S.O.
Chibbett & Son

WINCANTON.
Green, T.

WIVELISCOMBE.
Nurcombe, E.
Richards, T., Russell's Buildings

WORLE, near Weston-super-Mare.
Phippen, H., & Son

WRAXALL, Bristol.
Stevens, F.

YEOVIL.
Bartlett & Sons, Hendford
Bird & Pippard, Middle St.
Childs, J. W. & H., Kingston Wks.
Wallbridge, W., 9 Vicarage St.

Charles Taylor & Son,

Builders & Contractors,

Ash Cottage, MILTON RD.,

WESTON-SUPER-MARE.

Works executed include—

Printing Offices, "Weston-super-Mare Gazette"; contract, £3,300.
Several Villas, Grove Park Estate.
Fourteen large Villas, Trewartha Park Estate; H. Dare Bryan, Esq., Archt.
Electrical Power Station, contract, £4,700.
Large Villas, Uphill Manor Estate; H. Dare Bryan, Esq., Archt.
And various others.

Staffordshire.

ALDRIDGE, near Walsall.
Insley, J.

ALREWAS, Burton-on-Trent.
May, T.

ALTON.
Fielding, J.

BARTON-UNDER-NEEDWOOD, Burton-on-Trent.
Sharp, W., & Son

BIDDULPH.
Machin, C., High St.

BILSTON.
Jordan, A. J., Church St.
Lowe, T., 43 Cambridge St.
Marchant, Herbert Thomas, Builder and Contractor, Mount Pleasant
Perks & Gould, Cambridge St.
Twigg, T., Stafford St.

BLACKHEATH.
Cooper, W., West St.
Dallow, J., & Sons

BLOXWICH.
Wootton, S., The Green

BRIERLEY HILL.
Bennett, S., & Son
Bishop, J., & Sons, Albion St.
Horton, C. A.

BROWNHILLS.
Goodall, E., Chester Rd.
Twist, H., & Son, Lichfield Rd.

BUCKNALL.
Jackson, S.

BURSLEM.
Bennett Bros., Newcastle St.
Bott, W., 60 Newcastle St.
Broadhurst, J. H. & Son, High Lane
Cooke, W., 55 Newcastle St.
Grant, J., Waterloo Rd.
Grant, W., & Sons, Moorland Rd.

BURTON-ON-TRENT.
Edwards, H., 55 Blackpool St.
Hodges, G., Horninglow St.
Hunter, J., 91 Moor St.
Kennard, G., Stapenhill
Kershaw, R., 90 Princess St.
Lowe, T., & Sons, Curzon St.
Maddocks, J., 90 Moor St.
Selby, J. & T. W., Edward St.
Stevenson, W. A., Horninglow Rd. North
West, T., Horninglow Rd. North

CANNOCK.
Holmes & Fletcher, Stafford Rd.
Reynolds, John

CAVERSWALL, near Longton.
Jewell, W.

CHASE TOWN, Walsall.
Jones, F. W., Queen St.
Mealey, M.

CHEADLE, Stoke-on-Trent.
Alcock, W., 3 Bank St.
Ball, W., Tape St.
Pattinson, J., Oakamoor

COBRIDGE.
Grant, C. & J.

COSELEY.
Jones, T.
Taylor, T.

CRADLEY HEATH, S.O.
Hadley E. & Sons, Old Hill
Meredith, J. A.
Tate, J. M., Colley Gate

DARLASTON.
Hammonds Bros., Mill Lane
Huskison, M., 46 Bull St.
Lees, W. T., Slater St.
Oakley, J., Perry St.

ENDON, Stoke-on-Trent.
Crichlow, W.
Heath, J.

FENTON.
Bagnall, J., High St.
Challenor & Hughes, Broade St.
Thorley, A. E., Victoria Rd.
Yozall, T. R., High St. W.

FORSBROOK, Stoke-on-Trent.
Bartholomew, J., Blyth Marsh, Blyth Bridge
Ekerratt, W.

FOXALL, Burton-on-Trent.
Raworth, G.

GORNALL, Lower (Dudley).
Buxton, J.
Jones B. & Co., Rod Hall Rd.
Worton, J.

GORNALL, Upper (Dudley).
Watton, T., 40 Clarence St.

GREAT HAYWOOD, Stafford.
Smith, G. H.

HANDSWORTH (see Birmingham).

HANLEY.
Ball, W., Leek Rd.
Cornes, C., & Sons, Lichfield St.
Colley & Lindop, Park St.
Cummings, J., Bucknall New Rd.
Ellis, G., High St.
Godwin, T. (see Advt.)
Groom, F. A., Gill St.
Hobbs, S., Jervies St.
Leonard, H., Hill St.
Roberts, E., Broom St.
Ward, A., Jasper St.

HEATH HOUSE, near Leek.
Clarkson, T.

HEATH TOWN, Wolverhampton.
Beard, F. W.

HEDNESFORD, Stafford.
Barton, L. & R.
Mason, T., Station St.

IPSTONES, Stoke-on-Trent.
Barks, J. W.

KINGSWINFORD, Dudley.
Meanley, G., Market St.

LEEK.
Bayley & Morris, Mill St.
Billing, W. D., Osborne St.
Cornes, C., & Son
Grace, T., Broad St.

Staffordshire—*continued.*

T. GODWIN,

Builder & Contractor,

HANLEY, STAFFORDSHIRE

Works executed include—

The Abattoirs, Sessions Court and Victoria Hall, Hanley; J. Lobley, Esq., Surveyor, £9,000.
The Roman Catholic Church, Hanley; R. Scrivener & Sons, Archts., £7,031.
St. Jude's Church, Hanley; R. Scrivener & Sons, Archts., £8,000.
Cauldon Road and Glass Street Board Schools, Hanley; E. E. Scrivener, Esq., Architect, £8,280.
New Pumping Station and Cottages at Hatton, and Water Tower at Swynnerton; G. Day Harrison, Esq., Engineer, £7,000.
Higher Grade Schools, Birch Terrace, Hanley; E. E. Scrivener, Esq., Architect, £10,550.
Grand Theatre, Hanley; the Theatre Royal, Sheffield; the Hippodrome, Stoke-on-Trent; Grand Theatre, Derby.
Technical Schools, Stafford.
Generating Station at Wolstanton, for Potteries Electric Traction Company.
New Gasworks at Etruria for the British Gaslight Co.

Hall, W., 39 Grosvenor St.
Heath J., & Sons, Shoobridge St.
Hine, G., Fountain St.
Hudson, W., Bath St.
Matthews, J. & J., Buxton Rd.
Salt, S., High St.

LICHFIELD.
Bridgeman, R., Quonians
Deacon, Bros., Lombard St.
Walmesley, T., St. John St.

LONGDON, near Rugeley.
Marson & Oram

LONGPORT.
Foster, G. A.

LONGTON.
Bennion, P. H., Anchor Rd.
Birks, J., King St.
Goodwin, H., Heathcote Rd.
Tompkinson & Bettelley
Young & Son, Granville Pl., Stone Rd.

MILTON, Stoke-on-Trent.
Moss, J.

NEWCASTLE-UNDER-LYME.
Gallimore, J., Lower St.
Hughes, S., Liverpool Rd.
Plevin, A., Barracks Rd.
Poole, J., West St.
Wilton, S., jun., Shaw St.

OAKEN.
Cockerell, F.

OLD HILL (see Dudley, Worcs.)

PENKRIDGE.
Sprenger, F.

PORTHILL, Stoke-on-Trent.
Cooke, J.
Jones, A., 41 Queen St.

RUGELEY.
Jones, E., Market St.
Mason, C., Albion St.
Moore, J., Sandy Lane
Oram, J., Bereton, near

SEDGLEY.
Fulwood, B.
Hilton, J.

SHELFIELD, near Walsall.
Harris, R., New Rd.

SILVERDALE.
Downing, G. K., Vale St.

SMALLTHORNE, Stoke-on-Trent.
Sherratt, W., Leek Rd.

SMETHWICK, Birmingham.
Beetlestone, W., 37 Bearwood Rd.
Cleaver, B. S.
Jennings, T., 69 Union St.
Lees, W., Oldbury Rd.
Marshall, G. H., 17 Hawthorn St., West Smethwick
Rollason, J., Three Shires Oak Rd.
Walton Bros., 68 Baldwin St.

STAFFORD.
Adams & Pemberton, Wolverhptn. Rd.
Chatfield, W., 1 Bridge St.
Dyke, G., Fancy Walk
Espley, F., & Sons, 10 Victoria Rd.
Herbert, T., 42 Wright St.
Nevitt, C. J., Bailey St.
Sandy, Butters & Co.

STOKE-ON-TRENT.
Ball & Robinson, Boothen Rd.
Boston, J., Corporation St.
Breeze, J., Copeland St.
Meiklejohn, J., & Son, Edward St.
Price, L., South Wolfe St.
Yoxall, T. R., Trent Bridge

STONE.
Marson, T., Victoria St.
Merrick, H. J., Newcastle St.
Moss, T., Newcastle St.
Timmis, R., & Son, Lichfield St.
Whitfield, W., Newcastle Rd.

STONNALL, near Walsall.
Oakley, W. W.

TAMWORTH.
Clarson, C., & Son, 37 Aldersgate Rd.
Keen, H., Aldersgate Rd.
Musson, B., Glascote
Watton, T., & Sons, Albert Rd.
Williams, E., The Leys

TEAN, Stoke-on-Trent.
Faulkner, W.
Stainer, J., Moore Leigh Heath
Yates, J.

TIPTON.
Bennett, E. & W., Toll End Rd., Ocker Hill
Bott, J., Horseley Heath
Brain & Son, Princes End
Holloway, T., Ocker Hill
Jackson, C., Waterloo St.
Kendrick, W. H., Dudley Rd.
Moore, C., Ocker Hill
Round, A., Waterloo St.
Sisman, J., Factory Rd.
Stonehewer & Son, Horseley Heath
Thrift, H., Howe Place
Warmer, Old Cross St.
Whitehouse Bros., Prince's End

TUNSTALL.
Cope, C., High St.
Goodwin, T., Forster St.
Smith, C., 4 Windmill St.
Yorke, J., High St.

TUTBURY, Burton-on-Trent.
Blood, J., Hatton
Gould, W.

UTTOXETER, S.O.
Ward, I., & Son, Stone Rd.

WALSALL.
Brockhurst & Wood, Hatherton St.
Hall, J., & Son, 1 Up. Walhouse St.
Hughes, T., West Bromwich Rd.
Insley, G., Mount St.
Kendrick, W. & Son, Tasker St.
Lynex, A., Vicarage Place
Wistance, W., Sandwell St.

WALSALL WOOD.
Cresswell, T. & E.

WALTON-ON-HILL, Stafford.
Burton, J. S.

WEDNESBURY.
Holloway, J., Bilston Rd.
Small, W., jun., Hill St.
Smith, F. J., Clarkson Rd.
Summerhill, G., Ld., Camp Hill Lane
Teece, A. C. S., King's Hill

WEDNESFIELD.
Purshouse, A., Lichfield Rd.
Whyman, T., New St.

WEST BROMWICH.
Chapman, T., 73 Florence Rd.
Dallow, J., & Sons, 4 High St.
Davis, J., & Sons, 24A Walsall St.
Davis, R., 62, New St.
Davis, W., 104 High St.
Hadlington, A., Old Meeting St.
Hall, R., Whitehall Rd.
Hardy, T., Mount Pleasant St.
Hazel, J., Victoria St.
Jones, G., Bromford Lane
Pennington, S., Hill Top
Preston, J., 204 Spon Lane
Rowley, J., Great Bridge St.
Sadler, J., 31 George St.
Shrimpton, J., Lodge Rd.
Smith, H., & Son, Dial Lane, Hill Top
Smith, T., Walsall St.
Sorrill, G., Trinity Rd.
Woodward, R. & E., 7 Walsall St.

WILLENHALL.
Gregg, B. W., Gomer St.
Hickin, J., & Sons, Rose Hill
Homer, A., Clothier St.
Moseley, J., & Sons, Albion Rd.
Tildesley, J. M., Portobello
Tildesley, T., New Rd.

Staffordshire—*continued.*

WOLSTANTON, Stoke-on-Trent.
Charlesworth, J.
Cooke, J.

WOLVERHAMPTON.
Cave, G., & Son, Raby St.
Gough, H., & Son, Dudley Rd.
Guest, B., 1 Church St.
Ham, T. & S., 32 Mander St.
Herbert, J., St. Mark's Rd.
Holder, J. C., 170 Gt. Brickkiln St.
Jones, F. Lindsay, Darlington St.
Lovatt, H., Ltd., 68 Darlington St.
Perry, T. & G., Horseley Fields
Tooby, F. J. E., Castle St.
Willcock, H., & Co., Darlington St.

WORDSLEY, Stourbridge.
Guest, J.

YOXALL, Burton-on-Trent.
Wright, H.

Suffolk.

ALDEBURGH-ON-SEA.
Burwood. W.
Knowles, G. O., High St.

BECCLES.
Betts, C., Ingate St.
Elsey, G., Ravensmeer
Hindes, & Co., Station Rd.
Hipperson Bros., Pudding Moor
Johnson, G., Queen's Rd.
King, H. A., Station Rd.

BURES, Colchester.
Deaves, C.

BURY ST. EDMUNDS.
Allen & Robinson
Footer, M., St. Andrew St. North
Frost, H. G., Westgate Rd.
Hinnels & Son, Churchgate St.
Tooke, F., Mill Lane

CAVENDISH, Bury St. Edmunds.
Graham & Brown

CHEVINGTON.
Earnshaw, R., Red Row

CONEY WESTON, Bury St. Edmunds.
Hogg, R., & Son

EAST BERGHOLT, Colchester.
Aldous, W.
Wheeler, W. T.

FELIXSTOWE and WALTON.
Linzell, H. J., Orwell Rd.
Pratt, R. W., Gainsborough Works

FREDK. C. THURMAN,
Practical Sanitary Plumber, Builder & Brickmaker,
. . FELIXSTOWE . .
Chief Office: Walton Works, nr. Felixstowe.
Call Offices: Sea Rd. & Hamilton Rd. „ Brickworks, Avenue Rd. „ Saw and Moulding Mills, Felixtowe Dock.
Telephone 093, Felixstowe.
Some of the jobs executed—
Renovation of Orwell Hotel, Felixstowe; J. S. Corder, Archt., Ipswich. New Barracks for the War Office, £15,000. New Chancel, &c., to Church, £2,800; Sir Arthur Blomfield & Sons, Archts. Balmoral Hotel Basements, £7,126; T. Cotman, Esq., Archt. New Infirmary, £11,510; F. Whitmore, Esq., Archt., Chelmsford. New Convalescent Home, £11380; Messrs. Davis & Emanuel, Archts., Finsbury Circus, London. New Waterworks complete for the following Authorities: Felixstowe Water Co., Leiston, Chelmsford; Aldeburgh and Clare Rural Councils.

Ward, T., & Son

FRAMLINGHAM.
Dale, —
Goodwin, C. W.
Mallows, H. & S.

FRESSINGFIELD, Harleston.
Etheridge, R.

HALESWORTH.
Howard, S., & Sons, New Cut

HAVERHILL.
Mason & Son, High St.
Wiles S., Hendford House

IPSWICH.
Bennett, F., New St.
Bloomfield, W. H., Waveney Rd.
Borrett, C., 1 Metz St.
Catchpole, E., & Sons, Ld., Princess St.
Crisp & Smith, Orwell Place
Cubitt & Gotts, Westerfield
Dale, E. G., Bramford Rd.
Death, M., 29 Brooks Hall Rd.
Death, W. H., Richmond Rd.
Girling, R., Wellington St.
Grayston, W., 24 Argyle St.
Green, C., Hatfield Rd.
Grimwood, G., & Son, Princes St.
Hudson, W. H., Elliott St.
Kenney, S. A., Burrell St.
Linzell, H. J., Cliff Works
Marriott, V. A., Handford Rd.
Parkington, T., & Son, St. Margaret's
Pipe, W., Carr St.
Roper, C., Waterworks St.
Rose & Woolnough, Rushmore Rd.
Sadler, A., Richmond Rd.
Stearn, A., & Son (R.P.), King St.

IXWORTH.
Howse, J.

LEISTON, S.O.
Gibbs, W. H., & Son, Bank House
Simmonds, G., & Son

LONG MELFORD, S.O.
Theobald, —.

LOWESTOFT.
Ashby, J., London Rd. N.
Barham, St. Peter's St.
Beckett, A. G., Machine Joinery Works, Oulton Broad
Bedwell & Parker, Wollaston Rd.
Brett, R., Alexandra Rd.
Cole, C. R., 88 St. Peter's St.
Earl, C. E., 56 Alexandra Rd.
Ellis & Dodman, Pakefield
Elsey, G., Carlton Rd.
Gravelling & Sewell, 269 London Rd. S.
Hawes & Sons, Tell Rd.
Lambert Bros., Horn Hill.
Mills, F., Southwell Rd., Kirkley.
Mobbs, Bros., 56 Beresford Rd.
Saunders, J. T., Camden St.
Scarle, T., Carlton Colville
Swatman Bros., 3 Milton Rd.
Todd, R. C., Kendal Rd., Kirkley
Wales, J., Essex Rd.
Warnes, W. G., Rotterdam Rd.
Wilkins, W. (Exors. of), Bevan St.

METFIELD (Harleston).
Eastough & Hazel

MONK'S ELEIGH, Ipswich.
Hawkins, G. R.

NAYLAND (Colchester).
Deaves, W., High St.

NEEDHAM MARKET.
Theobald & Sons, High St.

RATTLESDEN, Bury St. Edmunds.
Plummer, A.

SAXMUNDHAM.
Cutting & Sons
Gibbs, W. H., & Son

SOUTHWOLD.
Allen, R. J., & Son, High St.
Thompson, J., & Son, East St.

STOWMARKET.
Death, E., Milton Rd.
Gosling & Son, Stowupland Rd.
Murray, M. E.
Plummer, E. & L., Station Rd.
Taylor, A., Milton Rd.

SUDBURY.
Grimwood, G., & Sons (see Advt.)
Howard, A., Cornard Rd.

WALTON, see Felixstowe.

WEYBREAD.
Grimwood & Bullen

WICKHAMBROOK.
Parker, J.

WICKHAM MARKET.
Coleman, E.

WOODBRIDGE.
Smith. W. I., Quay St.

WRENTHAM (Wangford).
Lilly, W. G., High St.

Suffolk—*continued.*

ESTABLISHED 1832.
G. GRIMWOOD & SONS,
Builders & Contractors,
ST. GREGORY'S WORKS,
SUDBURY, SUFFOLK.
Works executed include—
Foxearth—New Tower and Spire; H. Woodyer, Esq., Archt. Cambridge—Portion of Girton College; A. Waterhouse, Esq., Archt. Ipswich—New Corn Exchange & Municipal Buildings, £25,000; Brightwen Binyon, Esq., Archt. Bury—New Grammar School; Sir Arthur Blomfield, Archt. Sudbury—New Catholic Church; Leonard Stokes, Esq., Archt. Swindon—Mechanics' Institute; Brightwen Binyon, Esq., Archt. Mansion at Stanmore; Brightwen Binyon, Esq., Archt. Government Works at Aldershot, Colchester and Ipswich. Numerous Restorations to many Churches, under eminent Architects.

Surrey.

ADDLESTONE.
Bolton, W., Church Rd.
Brown, H., & Sons, off Station Rd.
Bullen, F., Liberty Hall Rd.
Gosden, W., Chapel Avenue
Martin, J., Station Rd.
Steer, R., "The Rest"
Taylor, W. H., High St.

ALBURY, Guildford.
Browne, J. S., Albury Heath
Woods, F., Little London

ASH, Aldershot.
Bateman, M.

ASHTEAD.
Death, J., Barnett Wood Lane
Haseman, J.

BANSTEAD.
Blanche & Daney, High St.
Peters, R., Burgh Heath

BARNES.
Hill, J., 90 Archway St.
Sale, A., & Sons, High St.
Wyborn, T., Station Rd.

BEDDINGTON.
Dawson & Sons
Trappitt, J. W., Church Lane

BETCHWORTH.

GEORGE CUMMINS and SONS, Ltd.,
Builders & Contractors,
HOUSE DECORATORS,
REGISTERED PLUMBERS,
Hot Water and Sanitary Engineers,
Dorking and Betchworth, SURREY.
Some recent Works satisfactorily executed.
Winter Gardens, Bushey Hall, Watford. Residence, Bookham, Surrey. Village Hall, Bookham, Surrey; R. Lee, Esq., Archt. New Wing and Stabling, Westcott Hall, Dorking; A. H. Venner, Esq., Archt. Residence, Buckland, Surrey; Messrs. Read & Macdonald, Archt. Enlargement and Alterations, Betchworth School, Surrey; P. F. Storey, Esq., Surrey County Council. Buckland Rectory, Alterations and Repairs; Ecclesiastical Commissioners.
(PHONE, 12x4, DORKING).

King, J., & Son

BLETCHINGLEY.
English, T., & Son

BRAMLEY, Guildford.
Ellis, S.
Jackson, J.

Surrey—*continued.*

BROOKWOOD, near Woking.
Faggetter, E. D., Station Rd.

BURSTOW, Horley.

ALFRED KING & SON,
BUILDERS, CONTRACTORS,
DECORATORS AND BRICKMAKERS,
SMALLFIELDS, HORLEY,
Also South Godstone.
ESTABLISHED 1856.
Telegrams—"Kingson, Smallfields."
Works executed include:
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Evans, S. J., West St.

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Cooper, C., High St.
Harman, W.
Kenworthy, C. E., Caterham Valley
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Scrivener, C. E., Caterham Valley
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Bex, J. R., Wyche Gr., Brighton Rd.
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£1,000 Villas, Chertsey, Charles Welch, Esq., Archt.
£1,000 Villas, Woking, David Stevens, Esq.
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Killick, W., High St.
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Streeter, A., & Co., Meadrow (Roads & Sewers)

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Additions Friary Breweries, Guildford, £4,000; J. McMullin Brooks, 4 Queen Victoria Street.

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Higlett & Hammond (see Advt. on next page)
Mitchell Bros. (see Advt. on next page)
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Drainage: "Alderbrook Manor," for P. Ralli, Esq., under the Sanitary Protection Society, Westminster, S.W.

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"Guildown Grange," Guildford; John Belcher, Esq., A.R.A., Arch't., 20 Hanover Square, W.

Alterations and Additions to Merrow Croft, Guildford, for H. Pike Pease, Esq., M.P.; C. Sayers, Esq., Arch't., Soho Sq.

Alterations and Additions to Mansion and Stables, "Cornbury Park," Charlbury, Oxon., for Vernon Watney, Esq.; John Belcher, Esq., A.R.A., Architect.

New Ranger's Lodge, "Cornbury Park," Charlbury, Oxon., for Vernon Watney, Esq; John Belcher, Esq., A.R.A., Architect.

Drainage, "Pickhurst," Chiddingfold, Surrey, for J. Ryde Esq.; S. Welman, Esq., Archt. Godalming.

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Petty Sessional Court, Woking, for the Surrey County Council, F. G. Howell, Esq., County Surveyor.

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Sanatorium and Residence, near Farnham, for Dr. Walters; Archt., — Williams, Esq.

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Edward, W. G., New Down Rd.

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Pink, J. J., Endsleigh Rd.
Whitaker, R., High St.

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Higby, —, Portsmouth Rd.
Hobbs, E. D., Adelaide Terrace
Mills, E., & Co.
Sansom & Bishop, Portsmouth Rd.
Stokes, S., & Sons, Westville Rd.

THORNTON HEATH.
Bacon, H. & Son, 63 Bensham Lane
Bird, G. J., Buxton Rd.
Isnett & Steel, High St.
Poulton, G., & Sons, 10 Westbrook Rd.
Sedgwick, F. W., Frant Rd.
Westbrook, J., Colliers' Water Lane

WALLINGTON.
Anderson, J. N., 1 Boxhall Terrace, Clifton Rd.
Burnand, E. J., Woodcote Rd.
Claridge, F. H., Stafford Rd.
Evans, J., Wallington Corner
Howe & White, 13 Danbury Terrace, Manor Rd.
Owen, C., & Co., Ltd.

DUNCAN STEWART & SONS
Builders and . . . . Contractors,
Wallington Steam Saw Mills,
WALLINGTON, SURREY.

Works recently executed include—
Presbyterian Churches at Dulwich and Wallington; Baptist Churches at Chiswick, Teddington, and Wimbledon; St. Mark's Church, Mitcham; Roman Catholic Chapel, &c., at Lyndhurst, and Schools, ditto, at Tooting; Isolation Fever Hospital for Croydon Rural District Council; Small Pox Hospital for Croydon and Wimbledon Joint Hospital Board; Schools at Carshalton, Lewes, Mitcham, Wallington, &c. Masonic Temple, &c., Sutton. "Ewell Court," Surrey; St. Paul's Church, Thornton Heath; Wallington Brewery; Carshalton Laundry; and many private contracts.

WALTON-ON-HILL.
Procter, J.

WALTON-ON-THAMES.
Annett, W. F., Church St.
Chitty, A. J. & A.
Gaze, W. H., & Sons, Bridge St.
Ingram, B., & Co. (see Advt.)
Smith, E. W., & Co., Station Av.

WARLINGHAM.
Quittenton, J. (see Advt.)
Ward, J. & J.

Surrey—*continued.*

B. INGRAM & Co.,
Builders, Contractors,
Decorators, Undertakers, Etc.,
HERSHAM,
WALTON-ON-THAMES,
Also at ESHER.

Works executed include—
"Penn-Craig," Oatlands Park; Wm. Bradford, Esq., Archt.
Alterations and additions to the Congregational Church, Hersham; W. Howard Seth-Smith, Esq., Archt.
Blue Anchor Hotel, Byfleet; also House at Esher; T. Walter Moss, Esq., Arch.
Ashley Park Hotel, late C. H. Sparkes, Esq., Archt.
The "Mount," Oatlands Park; H. L. Hill, Esq., Archt.
Reconstruction of Sanitary System at the M.C. Institution; W. Campbell Jones, Esq., Archt.
Alterations and additions to "Heatherdene," Weybridge; N. L. Ashburner, Esq., Archt.
House at Fairmile, Cobham; W. A. Aickman, Esq., Archt.
House at Esher; Messrs. E. Saunders & Son, Archts.
House and Stables, at Pyrford, for Wm. Shears, Esq.

JOHN QUITTENTON,
(ESTABLISHED 1870).
Builder, Painter, Decorator,
Glazier, Gilder, &c.,
Road Contractor and Carman,
WARLINGHAM, Surrey.
Authorised Plumber to the East Surrey Water Co.

Special attention to Drainage.

Have carried out Jobs under good Architects, including Roads and Bridges under C. and F. Rutley, 11, Dowgate Hill, E.C. Model Farm Buildings for Sir Walpole Greenwell and others; Private Houses under J. C. King, 41, Eastcheap, E.C.; Harrison & Ward, 66, Victoria St., S.W.; T. P. Figgis, Martin's Lane, E.C.; Thompson & Pomeroy, Wimbledon; Tanner & Church, Regent Street, W.; and many others.

WEYBRIDGE.
Brown, S., Station Rd.
Greenfield, W., Baker St.
Hill, H. P., Oaklands Park

C. HORSELL,
Builder, Contractor, and Brickmaker.
Chief Offices:
ELM GROVE, WEYBRIDGE,
Brickfields - - Sunningdale.

Works executed include:—
Large Private Houses, Shops, Banks, Pubilc Houses, Electric Light Works, Roads and Drainage.

Jarvis, G., Church St.
Ranger, T. C., Dorchester Rd.
Wells, G. R., The Quadrant
Willis, G., Elm Grove Rd.

WHYTELEAFE.
Cheeseman, G.

WIMBLEDON.
Blake, W. T., 40 Denmark Rd.
Braiser, J., Strachan Place
Burgess, J., & Sons (see Advt.)
Dowden, —, 3 Strachan Place
Fraser, J. G., 1 & 2 Church Rd

JAS. BURGES & SONS,
Builders & Contractors,
WYCLIFFE ROAD,
WIMBLEDON.

Works executed include—
New Billiard Room and Rooms over—to Wandle Bank House, Wimbledon, for Ald. Fenwick, J.P.
Additions and Sanitary Improvements to Wimbledon Parochial Schools; H. G. Quartermain, Esq., At.
New Vestries and Organ Chamber, to Holy Trinity Church, Wimbledon; H. G. Quartermain, Esq., Archt.
New Residence for F. G. Samson, Veterinary Surgeon, Upper Mitcham; R. M. Chart, Esq., Archt.
New Residence for H. S. Coldicott, Esq., Solicitor, Lower Mitcham; R. M. Chart, Esq., Archt.
South Wimbledon Girls' School and Technical Institute for the Surrey County Council; J. T. Micklethwaite, Esq., Archt.
New Mineral Water Factory for Messrs. H. Tomlin & Co., Morden Rd., Merton; Messrs. Chart, Son, & Reading, Archts.
Rebuilding "The King's Arms," Mitcham, for Messrs. Young & Co.'s Brewery, Ltd.; R. Cruwys, Esq., Archt.
Rebuilding the British Queen Public House, Wimbledon; Messrs. Shoebridge & Rising, Archts.
New Offices for the Merton Parish Council, Kingston Road; H. G. Quartermain, Esq., Archt.
Additions to the Merton Parish Schools; H. G. Quartermain, Esq., Archt.
New House for Walter C. Ryde, Esq., Belvedere Estate, Wimbledon; C. Harrison Townsend, Esq., Archt.
New Central Fire Station, Wimbledon, for the Wimbledon Urban District Council.
Alterations and Additions to Dundonald Schools, Wimbledon; Messrs. Thomson & Pomeroy, Archts.
New Banking Premises and Shop for the L. and S.W. Bank, Ltd., R. A. Hinds, Esq., Archt.
New Block of Schools for the Kingston Corporation, cost £15,000; F. W. Roper, Esq., Archt.

Gibbard, T., & Sons, High St.

Telephone—53 WIMBLEDON.
THOMAS HOLLOWAY
Successor to
PARSONS & TOWNSEND
Builder & Contractors,
25 HIGH STREET,
WIMBLEDON COMMON.

Works executed, amongst others, include:—
Hôtel Metropole, Brighton; A. Waterhouse, Esq., Archt.
Hôtel Great Central, London; Col. R. W. Edis, F.S.A., C.B., Archt.
Hôtel Majestic, Harrogate, Yorks; C. D. Martin, Esq., F.S.I., Archt.
Hôtel Victoria, Nottingham; Col. R. W. Edis, F.S.A., C.B., Archt.
University College Hospital, London; Messrs. A. Waterhouse and Sons, Archts.
Structural Alterations & Additions at United Forces Club, 117 Piccadilly.
Rebuilding Corn & Grinding Mills, Bermondsey; Messrs. Thompson and Pomeroy, Archts.
Rebuilding 171 Strand, W.C.; Messrs. Thompson & Pomeroy, Archts.
Stable and Cottage, Wimbledon; T. G. Jackson, Esq., A.R.A., M.A., F.S.A., Archt.
Alterations and Repairs to Morden Hall Farm; J. S. Brocklesby, Esq., A.R.I.B.A., Archt.
New Study, Etching Rooms, etc., for the Anglo Engraving Co., Ltd.; Messrs. Thompson & Pomeroy, Archts.
New Dining Rooms, Kitchen, Stores, etc., at Queen Alexandra's Court, Wimbledon; Messrs. Ernest George & Yeates, Archts.

Surrey—*continued.*

THOMAS HOLLOWAY

continued.

House for Dr. Clapham, in Murray Road, Wimbledon Common; F. Dare Clapham, Esq., Archt.
House for Mrs. Firth, in Murray Road, Wimbledon Common; T. Walter Moss, Esq., Archt.

Johnson, H., 42 Hartfield Rd.
Larman, W. H., Alexandra Rd.
Price & Price, 20 St. George's Rd.
Sycamore Works, Ltd., Worple Rd.
Whitehead Bros., 21 Hill Rd.
Wingett, R., 22 Hartfield Rd.

WITLEY, Godalming.
Milton, F.

WORCESTER PARK, S.O.
Oxenham, A.

WOKING.
Allard & Sons, Church St.
Aylot, F., Boundary Rd.
Butt, W. J., Goldsworth Rd.
Drowley & Co., Chertsey Rd.
Gale, A. A., Maybury Rd.
Gale, W. W., 5 Market Place
Goring, G., Royal Oak Rd., Goldsworth
Harris, J., & Son, High St.
Ingram, H., & Son, Goldsworth Wks.
Kemp, F. J., Church St.
Whitburn, J., Woking Village

WRECCLESHAM, Farnham.
Blake, W., Shortheath

Sussex.

ALFRISTON, Polegate, S.O.
Pettitt, A.
Wilson, J., Market Square

ARDINGLY.
Box & Turner

ARUNDEL.
Haggett, H.

BEXHILL-ON-SEA.
Bailey, W. H., Victoria Rd.
Balcombe, G. T., Fairmount Rd.
Carey, S., Haddock's Hill Rd.
Dexter, T. W., Reginald Rd.
Gillham, G. & W., Cooden Down
Miles, D., 19 Cornwall Rd.
Moon & Garner, Hastings Rd.
Ockenden, S., Belle Hill
Parker, F. W., 82 Station Rd.
Plummer, C. E., Jameson Rd.
Rogers, J., Hastings Rd.
Sanders, J. & H., Western Rd.
Sanders, W. H., Dorset Rd.
Thompson, J. H., Wickham Av.

BILLINGSHURST.
Marden, G., The Haven, near
Mitchell, A., South St.
Spooner, H., Loxwood, near
Wadey, E., Parbrook
Wadey, J., Five Oaks

BOGNOR.
Amory & Sons, Gordon Av. East
Booker Bros., Glamis St.
Gibbs, H. H., Sylvan Way, W.
Harfield, G., High St.
Jenkins, F. W., Longford Rd.
Oliver, H., Highfield Rd.
Tate Bros., Richmond Rd.

BRIGHTON.
Barnes, J, 99 & 100 North St.
Boniface, A., & Son, Alice St., Lansdowne Place
Bostel Bros. (R.P.), 18 & 19 Duke St. (and Sanitary Engineers)
Botting, W., & Son, 21 Ship St.
Brown, W., & Sons, 8 and 10 Ditchling Rise
Carter, J., & Son, 35 St. George's Rd.
Cox, A., & Sons, 80A Preston Rd.
Davey Bros., 9 Shaftesbury Place
Dawes, T., 54 Springfield Rd.
Dean, A., 25 Ditchling Rise
Elliott, W. & A., 15 Hampton Place
Field, W. A. & Co. (see Advt.)
Garrett, W. & T., Ltd., 62 Middle St.
Holloway Bros., Preston Rd.
Hunt, G., 152 Ditchling Rd.
Jay, C., 21 Conway St., Hove
Leggatt, T. G., 44 St. James's St.
Lockyer, G. R., 16 King St., Nth. St.
Lynn, G., & Sons (see Advt.)
Manwaring & Son, 13 Western St.
Nye, T. E., 40 St. George's Rd.
Palmer, F., Blucher Place
Parsons, A., 25 Sutherland Rd.
Parsons, J., & Sons (see Advt.)
Patching & Son, 43 & 44 Portland St.
Payne, A. W. (R.P.), 13A Gloster St.
Penfold, H. J. (see Advt.)
Sattin & Evershed, 27 Freshfield Rd.
Saunders Bros., 16 Richmond Place
Titcombe & Son, 70 High St.
Wakefield, B., & Co., 101 George St., Hove
Wilson, F. T., 115 St. James's St.
Wiinter, E., 82 Church Rd., Hove
Wright, J. J., 29 Centurion Rd.
Young, G., 23 & 24 Bath St.

BROADWATER, Worthing.
Herbert, E.
Stanbridge, W.

W. A. FIELD & Co.,
Builders, &c.,
20 PRESTON STREET,
BRIGHTON.
STEAM JOINERY WORKS—
D'AVIGDOR ROAD, HOVE.
Works executed during the last few years under the following London and Local Architects:
Messrs. Anthony & Dixon, F. T. Cawthorn, Esq., H. T. A. Chidgey, Esq., Messrs. Clayton & Black, F. G. Cooke, Esq., Messrs. Curtis, Green and Dickie, S. Denman, Esq., A. Dixon, Esq., Messrs. Edmeston and Gabriel, Messrs. Eedle & Meyers, J. G. Gibbins, Esq., T. Garrett, Esq., W. C. F. Gillam, Esq., Messrs. Gordon & Gunton, C. Henman, Esq., C. E. Hewitt, Esq., Messrs. Hoare & Wheeler, F W. Ledger, Esq., F. J. C. May, Esq., W. J. Miller, Esq., Chas. Nye, Esq., G. Pinkerton, Esq., Lacy W. Ridge, Esq., Messrs. Sach & Woodrow, Messrs. T. Simpson & Son, Messrs. Truefitt and Watson, A. C. Udny, Esq., Henry Ward, Esq., Victor Wilkins, Esq.

G. LYNN & SONS,
Builders and Decorators,
Marlboro' St., Brighton.
ESTABLISHED 1830.
Have successfully carried out many extensive Works in Brighton and neighbourhood under the following eminent Architects:—
Sir Charles Barry (the late), Charles Barry, Esq., Sir A. Blomfield, Loftus Brock, Esq., Messrs. Somers Clarke & Micklethwaite, Ewan Christian, Esq., H. D. Davis, Esq., R.W. Edis, Esq., S.W. Grant, Esq., R. C. Harrison, Esq., E. Habershon, Esq., C. Henman, Esq., E. I'Anson, Esq., W. Lacy Ridge, Esq., Romaine Walker, Esq., and many others, including all the leading local Architects.

BURGESS HILL.
Bryant, W., Dunstall Farm
Downer, A.
Norman & Burt (see Advt.)
Oram, W. on next page (see Advt.)

BUXTED, Uckfield.
Miller, J., Potters Green

CATSFIELD.
Blackman, R., & Son

CHICHESTER.
Hill, F., St. Paul's Rd.
Holt, J. O., & Sons, Westgate
Hooker, C., & Sons, 10 Hornet
Rhodes, G. T., St. Martin's.
Tee, L., Oving Rd.
Turner, E., 32 Franklin Place
Vick, F. M., & Sons, Tower St.

Sussex—*continued.*

J. PARSONS & SONS,
Builders, Contractors,
Decorators & Sanitary Engineers
176 Church Road,
HOVE.
Steam Joinery Works & Depôt—
Fonthill Road, HOVE.
Have carried out extensive Works under the following Architects:—
Messrs. Bourchier, Burmester and Galsworthy. R. F. Grantham, Esq. Messrs. Howgate & Henty. P. Lamb, Esq. Godfrey Pinkerton, Esq. Messrs. Rowland, Plumbe and Harvey. Messrs. Zephaniah, King and Son. Lacy W. Ridge, Esq. Messrs. Runtz & Ford. Robert Read, Esq. J. G. Sankey, Esq., and all the leading local Architects & Engineers.

NORMAN & BURT,
Builders & Contractors,
Steam Joinery Works,
LONDON ROAD, BURGESS HILL, SUSSEX.
Works executed include—
Poynings Church, Sussex, Restoration; Ewan Christian, Esq., Archt.
St. John's College Chapel, Hurstpierpoint, Sussex, Oak Fittings and Tower; Messrs. Carpenter & Ingelow, Archts.
Restoring and Redecorating Archbishop Chicheley's Tomb in Canterbury Cathedral. Carved Oak Reredoses, Screens, Stalls, Pulpits, &c., in Frome Church, Somersetshire; All Saints' Church, Edinburgh; His Grace the Lord Archbishop of York's Chapel, Bishopthorpe; St. Mark's Church, Philadelphia; Universities Mission Church, Calcutta, India; Lichfield Cathedral; Reredos and Side Panelling, Trinity Church, St. John's, New Brunswick; Choir Stalls, Pulpit, Organ Loft, and Pannelling in Woburn Church, for His Grace the Duke of Bedford; Oak Seats at Hoar Cross Church, under G. F. Bodley, Esq.; Inlaid Altar Table to Christ's Hospital New Schools, under Messrs. Aston Webb and Ingress Bell; Reredos, Winchester Cathedral; Panelling and Fittings, Chester Cathedral; Screen and Decorating and Rood Cross, St. Andrew's Church, Worthing; Altar Screen, Chichester Cathedral; Reredos and Chancel Panelling, St. Margaret's Church, Westminster.
"Wakehurst Place," Sussex, Restorations; Aston Webb, Esq., Arch. "Borde Hill," Cuckfield, Sussex, Additions and Restorations; Ralph Nevill, Esq., Arch. Sharnden, Mayfield, Sussex; H. O. Cresswell, Esq., Archt. New Part to Old Place, Lindfield, Sussex; Oak Panelling, Chimney Pieces, Staircases, &c., at "Peverey," Shropshire; Temple Newsam, Yorks; Hurstbourne Park, Hants.; and Copped Hall, Epping; Cedar Woodwork for New Library for Lord Llangattock; Additions to Woodside House, Chenies, for Her Grace the Duchess of Bedford; New House at Epping, for E. J. Wythes, Esq.; and New Chapel at the Holy Cross Home, Hayward's Heath. Restoration of Petworth Church, for Lord Leconfield, New House and Stables at Royston, Herts.; Walter E. Tower, Esq., Architect.
New House, Stables, and Gardens, Little Thakeham, Sussex; New Gardens and Additions, Buckhurst Park, Sussex; New House for W. D. James, Esq.; E. L. Lutyens, Esq., Architect.

H. J. PENFOLD,
BUILDER,
Contractor, Decorator,
and Sanitary Engineer,
219 PRESTON ROAD,
BRIGHTON.
Works executed include—
Shops in Preston Road, 24 Houses in Lauriston Road, Restoration and Additions and Redrainage to Manor House, Preston, for the Stanford Estate; C. Stanley Peach, Esq., Archt., London. Alterations to Shops, Western Road, for — Paddison, Esq.; Alterations to 45 Brunswick Sq., for Sir A. Fairbairn, Bart.; Messrs. Anthony & Dixon, Archts., Brighton. Large Residence, Hollingbury Copse, Withdean, for S. Witting, Esq.; H. H. Tasker, Esq., Archt., London. Large Residence, Tower House, Withdean, for J. Savage, Esq.; Messrs. G. Burstow & Sons, Archts., Brighton. Rebuilding the Sussex Evening Times Printing Works, for W. E. Nash, Esq.; R. W. Pollard, Esq., Archt., Brighton. New Villa, Preston, for G. Lockhart, Esq.; Clayton Botham, Esq., Archt., Brighton. Alterations and Additions to St. James' Hotel, for —. Lucas, Esq.; Chas. Flack, Esq., Archt., London. Large Residence, "Woodlands," Patcham, for H. Blackburn, Esq.; Messrs. Heelis and Wrightsou, Surveyors, London. New Residence, Cromwell Rd., for H. M. Stevens, Esq. Large Residence, Patcham, for E. E. Moreau, Esq.; E. W. Long, Esq., Archt. New Residence, Patcham, for R. T. Barfoot, Esq.; T. Garrett, Esq., Archt. New Residence, Varndean Rd., for —. Matthews, Esq.; E. W. Long, Esq., Archt., Brighton. Warehouses and Stables, for W. Pitt, Esq.; Thos. Garrett, Esq., Archt., Brighton. New Stables, 17 Brunswick Sq., for C. Charlton, Esq.; Messrs. Brown & Barrow, Archts., London. Alterations and Additions, and New Billiard Room, to Lea Hurst, Patcham, for R. J. Billinton, Esq.; Additions and Redecoration at Clydesdale, Preston, for A. Collins, Esq.; Messrs. Clayton & Black, Archts., Brighton. Erection of the Queen's Memorial Hall, St. Augustine's Brighton; G. E. S. Streatfield, Esq., Archt., London. New Shop and Residence, Havelock Rd., for E. Dudney, Esq.; W. Gillam, Esq., Archt., Brighton. New Residence in Windlesham Rd., for Charles Paddison, Esq.; Thos. Garrett, Esq., Archt., Brighton. New Shop and Fittings, for the International Tea Co., at Hurst; W. Duvall Goodwin, Esq., Archt., London. New Shop, etc., in London Rd., for Messrs. Sainsbury; C. Carritt, Esq., Archt., London. New Residence at Preston, for J. Little, Esq.; F. Axtell, Esq., Archt., Brighton. Restoration of Old Preston Church; P. M. Johnston, Esq., Archt., London.

CHIDDINGLY, S.O.
Carpenter, J., Lower Dicker

COWFOLD.
Fowler Bros.

CRAWLEY.
Bartley & Ward, High St.
Cook, R., & Sons, Springfield Rd.
Gates, R. & C.
Longley, J., & Co.
Ockenden, J., & Son
Shaw, J., County Oak
Webber, S. (see Advt. on next page)

CROWBOROUGH.
Beard, G., The Beacon
Connor Bros. (see Advt. on next page)
Goldsmith, A., South Point
Wickens, D., White Hill

CUCKFIELD.
Knight, S., The Green
Rowland, J., Broad St.

Sussex—*continued.*

W. ORAM,
Builder and Contractor,
MILL ROAD,
Burgess Hill, SUSSEX.

Works executed:—

House and Stabling, Gallop's Farm, Plumpton, Sussex, £2,500, C. H. B. Quennell, Esq., Archt.

Baptist Chapel, Burgess Hill, Sussex, E, J. Hamilton, Archt.

Steam Laundry, Lewes Road. Brighton, G. Birstow, Archt.

Steam Bakery, Horsham, G. Birstow, Archt.

Gentleman's Residence, Brighton.

Main Sewer and Roads for the Burgess Hill Urban Council.

Shops in Church Rd., Burgess Hill.

New Stabling, &c., for S. Tyzack, Esq., Haywards Heath, cost £2,500.

Gentleman's Residence, Ditchling, Messrs Greenaway & Newberry, Archts., London.

Two Villa Residences, Oakwood Road, Burgess Hill, cost £3,500, Messrs. Findlay & Rogers, Archts., 10 Basinghall Street, London.

New Coastguard Station for the Admiralty at Blatchington, Seaford, Sussex, £5.000.

New Residence for E. A. Bridge, Esq., at Hurstpierpoint, Sussex, £7,000; Messrs. Findlay & Rogers, Archts., 10, Basinghall Street, London, E.C.

New Stabling for G. W. Ryder, Esq., Burgess Hill.

New Salvation Army Citadel, Burgess Hill O. Archer, Esq., Archt. of 101, Queen Victoria Street, London, E.C., and many others.

SAMUEL WEBBER,
Builder and Contractor.
THORNE HOUSE, CRAWLEY DOWN.
(*Grange Road Station.*)
Estimates for all kinds of Repairs.
ESTABLISHED 1876.

Some of the Works executed:—

Gentleman's Residence, Oaklawn, Crawley Down, Sussex; T. Maclaren, Esq., Architect. Cottages on Grange Estate, Crawley Down, Sussex; T. Maclaren, Esq., Architect. Additions to the Vicarage House, Crawley Down, Sussex; Ewan Christian, Esq., Architect. Rectory House, Horne, Surrey; R. J. Lovell, Esq., Architect. Girls' School, Worth, Sussex; W. Gilbee Scot, Esq., Architect. Institute and Reading Room, Turner's Hill, Sussex; R. C. Harrison, Esq., Architect. Additions to the Oaks, Balcombe, Sussex; E. Larmer, Esq., Architect. Police Station, Turner's Hill, Sussex; A. Castings, Esq., Architect. Wesleyan Chapel and School, Crawley Down, Sussex; T. R. Hooper Esq., Architect. Additions to Copthorne Church, Sussex; Lacy W. Ridge, Esq., Architect. Additions to Cross-in-Hand Church, Sussex; Lacy W. Ridge, Esq., Archt. Additions to Tiltwood House, Crawley Down, Sussex; W. G. Bartlett, Esq., Architect. Additions to Rowfant House, Crawley, Sussex; Post Office, Crawley Down, Sussex; R. H. Weymouth, Esq., Architect. Additions to Bankton House, Crawley Down, Sussex; Messrs. Read & Macdonald, Architects. Additions to The Haven, Crawley Down, Sussex; Messrs. Douglas Matthews & Son, Architects. Additions to Park Cottage, Crawley Down, Sussex; R. H. Weymouth, Esq., Architect. New House at Crawley Down; R. H. Weymouth, Esq., Architect. New Cottages at Crawley Down.

DANE HILL, Uckfield.
Bennett, G., Chelwood Common

DITCHLING, Hassocks.
Wood, F.

CONNOR BROS.,
Builders & Contractors.
CROWBOROUGH.
Telephone Nos. 15 & 53.

Works recently executed include:

Private Residences, £7,000. Residence, E. J. Patterson, Esq., £3,000; P. S. Parris, Esq., Archt. Private Residences, £11,500. Walsh Manor, £3,100; A. Colpoys Wood, Esq., Archt. Alterations and Additions, Rotherfield Hall and House, Gillham's Birch, for Sir Lindsay Hogg, Bart., ; E. J. May, Esq., Archt. Residence, Lady Stansfield, £3,000; Messrs. Crouch and Wood, Archts. Private Residences, £25,000. Residence, £6,500, for J. Kirkwood, Esq. Alterations, Messrs. Ramsbotham, £6,000; Langton Dennis, Esq., Esq., Archt. New Wing to Mark Cross Convent; J. S. Hanson, Esq., Archt. New Tower to High Hurst Wood Church; H. Christian, Esq., Archt. New Vestry, St. Thomas' Church, Groombridge; G. C. Horsley, Esq., Archt. New House and Stables, F. Verrall, Esq., J.P. Alterations and Additions, Buxted, for Mrs. Parker; M. H. Baillie Scott, Esq., Archt.

Works now in hand include:

Residence for F. Robinson, Esq., £3,500, at Oxted; Langton Dennis, Esq., Archt. House, Misses Powell, £1,650, C. Powell, Esq., Archt. Alterations and Additions, St. Augustine's Church, Tunbridge Wells, E. Ingress Bell, Esq., Archt.

EASTBOURNE.
Bainbridge, G., & Son, 77 Terminus Rd. (Shopfitters)
Breach, C., Matlock Rd.
Cornwell & Son, 43 Grove Rd.
Hart, S., 26 High St.
Hookham, M., Springfield Rd.
Martin, J. Commercial Rd.

MARK MARTIN & SONS
(ESTABLISHED 1870),
Builders and Contractors,
HIGH CLASS DECORATORS,
Sanitary & Electrical Engineers,
EASTBOURNE.
Head Office and Showrooms—
1 CORNFIELD TERRACE.
And at 4 Compton Terrace, Meads.
Telephone 105.
Steam Joinery Works: Longstone Rd.
Decorating Dept.—Susan's Rd.

Works executed include—

Lewes Old Bank, Eastbourne; Capital and Counties' Bank; Ratton Mansion, for F. Freeman Thomas, Esq., M.P.; Catholic Church (Eastbourne), St. Michael's and All Angels' Church (Eastbourne), Beacon Hotel, Crowborough, Sussex: Cavendish Hotel (Additions), Eastbourne; Mansion, Hadlow Grange, Sussex; Works at Uplands, Heathfield; Baptist Church, Eastbourne; St. Saviours Church (Baptistry); Schools, Seaside, Eastbourne; Mansion, South Cliff, Eastbourne; London & Provincial Bank (Additions); Timsbury School; Stabling for Sir Hart Dyke, at Horeham Road; Eastbourne, General Post Office (Additions); Villa Residences Grassington Rd., Buxton Rd., Gandick Rd., Carlisle Rd., Granville Rd., Denton Rd., Chesterfield Rd.

MILLER AND SELMES
(*Established* 1878),
Builders & Contractors, High-Class Decorators, & Sanitary Engineers,
EASTBOURNE.
Offices & Works:
75 TIDESWELL ROAD.
TELEPHONE 9x.

Works executed include:

Bishopsdown Mansion, Tunbridge Wells; London and County Bank, Meads, Eastbourne; Barclay's

Sussex—*continued.*

MILLER & SELMES—*continued*

Bank, Seaside, Eastbourne; Block of 20 flats and 10 shops, South Street, Eastbourne; 'Eastbourne Chronicle' Printing Works; Schools: Belmore Rd. and Green Street, Eastbourne; Additions to Y.M.C.A. premises, Langney Road, Eastbourne; Contracts for L.B. & S.C.R. Co. at St. Leonards, Lewes, Polegate, and Eastbourne; Detached House and additions to Farmhouse at Horeham Road; Detached House at Ashurst, Kent; 30 Houses for Brighton Corporation; Mansion at Willingdon; Large Shop Premises at Hastings; Pair of Villa Residences at Battle; Alterations and Improvements to Leaf Homœopathic Hospital; Additions to Ascham House School, Eastbourne; Mansion, Broadstairs; Wesleyan Chapel, Greenfield Road, Eastbourne; 100 Villas, Southdown Estate, Hove; Villa Residences in Saffrons Road, Arlington Road, Orchard Road, Carlisle Road; Wesley Hall, Seaside Road, Eastbourne, &c., &c., &c.

Newman, W., Upperton Rd.

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Additions at Maze Hill, St. Leonards, for A. Burton, Esq., £5,200.
St. Barnabas Boys' School, Bexhill, £1,800.
Sussex Hotel—Additions, £4,500.
Royal Hotel—Additions, £4,000.
King's Arms Hotel—Rebuilding, £10,000.
Isolation Hospital, Chailey, £4,500.
Covered Reservoir and Water Mains, Goodwood House, for His Grace The Duke of Richmond, K.G., £3,000.
Convalescent Hospital, Seaford—Additions, £6,500.
Sussex Gardens, Eastbourne—Improvements, £12,000.
Contracts for L. B. & S. C. Ry. Co.
Contracts for Roads & Sewers, Bexhill, for Urban District Council.
Storm Water Sewers, Sevenoaks Urban District Council, £5,000.
St. Phillip's Church, Eastbourne, £6,000.
Guardians' Offices, Lewes, £3,200.
Residence for H. B. H. Turner, Esq., C.I.E., "Brockworth."
Residence for W. A. Thornton, Esq., Partridge Green.
New Roads and Sewers, Southwick Urban District Council, £3,000.
Swimming Baths, Eastbourne Corporation, £3,500.
Sewers at Ringmer, Chailey Rural District Council, £4,000.
Sewers at Roffey, Horsham District Council, £2,000.
Public Schools, Eastbourne, £6,000.
St. Saviour's Church, £17,000.
St. John's Church, £12,000.
All Souls' Church, £14,000.
Christ Church—Alterations, New Roof, etc.
St. Anne's Church—Additions, £5,000.
Congregational Church, £7,000.
North Street Chapel—Enlargement.
The Town Hall, £42,000.
Grand Hotel, £30,000
Cavendish Hotel—Additions, £22,000.
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PEERLESS DENNIS & Co.
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Oak Cottage Estate—10 Shops and Stabling, £12,000.
Ashford Square—60 Houses, £13,000.
Forty Residences on the Sea Front, £75,000.
Alterations and Additions, "Culverwood," Heathfield, for C. D. Harrod, Esq.
Contracts for H. M. Admiralty (Coastguard stations, etc.).
Lifeboat House, Eastbourne.
Lifeboat House, Littlehampton.
Alterations and Additions, The Deanery, Lewes.
Roads, Godalming Corporation.
Additions, Y.W.C.A., Eastbourne.
Additions, "Adelaide House," St. Leonards, for Messrs. Farebrother, Ellis & Co.
Lloyds Bank, Eastbourne.
London & South Western Bank, Eastbourne.
London & S. Western Bank, St. Leonards-on-Sea.
"Chatsworth" Hotel, Eastbourne, £6,000.
Caffyns Motor Garage, Eastbourne, £5,000.
St. Cyprian's College, Eastbourne, £10,000.
Barclay & Co., New Bank & Premises, Mayfield, Sussex, £2,500.
Fire Station, Eastbourne Corporation, £4,750.
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Wallis & Co., 14 Seaside Rd.
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Wood, J. & Son, 102a Tideswell Rd.

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Gasson, C. & H., High St.
Morris Bros., Ashurst Wood
Norman, A. W., 32 London Rd.
Waters, J., Forest Row
Young, H., 200 London Rd.

EAST HOATHLY.
Hall, J.
Trill, A.

FINDON, Worthing.
Richardson, H.

HAILSHAM.
Harding, F. W., 3 Victoria Rd.
Rich, T.
Stonestreet, B.

HANDCROSS, Crawley.
Wheatland, G.

HASSOCKS.
Standing and Gunn

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Ditch, W. F., 2 Halloway Villas, Old London Rd.
Eldridge, W., & Son, Prospect Place
Harman, C., 78 Mount Pleasant Rd.
Lester, J., Earl St.
Small & Co., London Rd., Ore
Snow, D. H., London Rd., Ore
Tapner, Simmonds, & Co., Waterworks Rd.
Thorpe, W. E., Ashburnham Rd.

HAYWARD'S HEATH.
Finch, H., Perrymount Rd.
Kent, E. J., Perrymount Rd.
Purvey, A., Gower Rd.
White, T., Franklynn Rd.

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Mepham, H., Church St.
Piper, S., Punnett's Town
Rumary, G., & Son
Sargeant, G. D., Leicester House
Weston, C.

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Bishop, J. T., Highclere
Blanchard, —., Blackstone
Roberts, —.

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Ashdown, H., Selsey House
Elliott, I., "The Elms"
Langridge, L. L.

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Murrell, H., Crawley Rd.
Pannett, W., Barrington Rd.

Sussex—*continued.*

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Rowland Bros., East St.
Sharp, G., Brighton Rd.

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Awcock, I.

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Ockendon, J., & Son, West Green

ITCHINGFIELD, Horsham.
Parker, A.

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Cruse, H., New Rd.
Hammond, E., North St.
Piper, F., St. Anne's
Wells, W., West St.

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Anscombe & Hedgecock
Sharman, W., Walstead

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Duncan, H., South St.
Mills, S., Station Rd.
Till, J.

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Trigg & Son

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Woolgar, M., High St.

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Comport, A.

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Burdfield, J.

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Huggett, W.

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Dent & Kille, Boundary Rd.
Godard, N., 40 Station Rd.
Gutteridge, A., St. Nicholas Rd.

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Martin, W. F.

ROTHERFIELD.
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Hatton, F. G., 16 Kenilworth Rd.
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Hutchinson & Co., 255 London Rd.
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Godfrey Bros., Sutton Rd.
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Duke, F.
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Startin, A. C.

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Duffield, G.
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Skinner, G.

WILLINGDON, S.O.
French, F.

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Blaker & Son, Crescent Rd.
Bridger & Son, Salisbury Rd.
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Duffield, A., West Tarring
East, I. A., St. Matthew's Rd.
East, W., 29 Wenban Rd.
Herbert, E., Broadwater
Hewer, G., Rowland Rd.
Jordan & Co. South St.
Kellett, E., Warwick Gardens
King, E. H., 2 Southcourt Rd.
Lelliott, J., 4 Chatsworth Rd.
Patching & Co., Chapel Rd.
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Sandell, W. W., 19 Warwick St.
Selby, S. H., Heene Rd.
Snewin, E., & Son, 41 Warwick St.
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Steere, G. E., Eastcourt Rd.
Twine & Son, Portland Rd.

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McCoombe, W.
West, H.

Warwickshire.

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Buggins, J., & Sons, Henley St.
Hunt, W. H., High St.
Smith, E., Butter St.
Stanley, J., Broom

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Sheasby, A. E., Wellesbourne Rd.

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Brown, E. G., Yardley Fields Rd., Stechford, near
Bryant, C., 65 Whitmore Rd., Small Heath
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Butler, W. & F., 1 Devonshire Rd., Handsworth Wood
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Channing, W. C., Grosvenor Rd., Handsworth
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Clarke, G. H., Alum Rock Rd., Saltley
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Cowper, W., Brunswick Rd., Sparkbrook
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Davies, A., 158 Soho Rd., Handsworth
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Fletcher, J., 5 Inkerman St.
Fortey, F., Brighton Rd.
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George, W., Ld., 163 Bristol St.
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Miles & Skinner, Whitehead St., Aston
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Moore, W. G., 174 Nechells Park Rd.
Morriss, G., 91 Gerrard St., Lozells
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Pitts & Phillips, 25 Bristol Rd.
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Thompson, E. H., 110 Bradford St.
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Twigg, G., 7 Theodore St.
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Warwickshire—*continued.*

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Enston, Geo.

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Hancox & Co., Northumberland Rd.
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Kelley & Son, Little Heath, Foleshill
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Bracebridge, G.

EDGBASTON, see Birmingham.

ERDINGTON, see Birmingham.

FOLESHILL, see Coventry.

GAYDON, Warwick.
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Candey, J. & S., Eastcote

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Simpson, J., Manor Court Rd.
Smith, T., 64 Coton Rd.
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Works under De Lacy Aherne, Esq., Messrs. Crouch & Butler, Messrs. Mansell & Mansell, Messrs. Martin and Chamberlain, J. Chatwin, Esq., S. N. Cooke, Esq., Architects of Birmingham.

Works under Messrs. Fogerty and Parnell, Bournemouth.

Works under H. M. Fletcher, Esq., London.

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Works under the late J. Cundall, Esq., F. G. Cundall, Esq., Fredk. Foster, Esq., Leamington.

Works under C. M. C. Armstrong, Esq., F. P. Trepess, Esq., F. H. Moore, Esq., Architects of Warwick.

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CONTRACTORS,
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Watson, F. G., Coventry St.

STOKE, Coventry.
Burton & Creave
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Cox, J., 6 Rother St.
Fincher, J. G., Ely St.
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Warwickshire *continued.*

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Mansfield College and Chapel, Oxford; Basil Champneys, Esq., Architect.

Manchester College and Chapel, Oxford; Messrs. Worthington & Elgood, Architects.

Municipal Buildings, Oxford; H. T. Hare, Esq., F.R.I.B.A.

College Buildings, Oxford; Uppingham School, Library, &c.; T. G. Jackson, Esq., R.A., Architect.

St. Marie's Chapel & College Buildings, Rugby; B. Whelan, Esq., Archt.

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Mansions and Stables at Winslow, Bicester, &c.; H. Tollit, Esq., Oxford, Architect.

Mansion, Motcombe, for Lord Stalbridge; Messrs. Ernest George & Peto, Architects.

Caldecott Hall, Nuneaton; Whatton House, Loughborough; Messrs. Goodacre, Leicester, Architects.

Mansion, Ashorne Hill, near Leamington; Chapel and New Buildings Hawkesyard Priory; E. Goldie, Esq., Architect.

Mansion, Hartbury, near Gloucester; E. Guy Dawber, Esq. Architect.

Mansion, &c., Ashton Wold, for Hon. N. Chas. Rothschild; W. Huckvale, Esq., Architect.

Stoatley Hall; Messrs. Read and Macdonald, Architects.

Extension Berkshire Asylum, G. T. Hine, Esq., Architect.

Westbury Manor, Mansion and other Buildings, for Sir Samuel Scott, under Clyde Young, Esq., of London.

Hursley Park, Mansion, &c., for Sir George Cooper, under Messrs. Mackenzie & Son, of Aberdeen and London.

Lytchett Manor, for Sir Elliott Lees, Bart., under W. D. Caroe, Esq., of London.

Alderbury Mansion, for Lord Radnor, under Gambier Parry, Esq., of London.

Cransford Hall, Suffolk, for T. P. Borrett, Esq., under the same Architect.

Cowley Manor, Gloucester, for Jas. Horlick, Esq., Extensive Additions and Alterations, under R. A. Briggs, Esq., of London.

Ashby St. Ledgers, for Honourable Ivor Guest, Extensive Additions, under E. L. Lutyen, Esq., of London.

Bilton Grange, Master's House, Alterations to School Boarding House, with Dormitories and Class Rooms. Malvern, Alterations and Additions to Roslin House. (All three Works under Messrs. Henman & Cooper, Birmingham.)

Pinner, Commercial Travellers' Schools, Large Recreation Room and Class Rooms, under H. O. Cresswell, Esq., London.

Wood Green Church, under E. Goldie, Esq., of London.

Chandler's Ford Church, under G. F. Bodley, Esq., R.A., London.

STUDLEY, S.O. (Redditch).

Lamb, J., Alcester Rd.
Young, H., Mapplebro' Green

Warwickshire *continued.*

SUTTON COLDFIELD.
Bird, J., Station St.
Blackband, T., Jockey Rd.
Hardy & Mander, Holland St., Maney
James, W. H., 44 High St.
Moorhouse, J. E. & Sons, Wylde Gn.
Squires, C., Chester Rd.
Stephens, G. T., Western Rd., Wylde Green
Turville, J., & Sons, Lichfield Rd.
Williams, H., Queen St.

TAGHBROOK, Leamington.
Commander, G.

TYBURN, Erdington.
Langley, Isaac

WARWICK.
Cashmore, J. H., Chapel St.
Cashmore, T., St. Nicholas Ch. St.
Chaplin, A. & J., 52 Smith St.
Talliss, E., 13 West St.

WELLESBOURNE.
Hirons, J.

WOOTTEN WAWEN.
Smallwood, J., & Co.

Westmoreland.

AMBLESIDE.
Backhouse, F. & A. (Masons)
Cousins, T., North Rd., (Plasterer)
Dixon, W., Lake Rd. (Carpenter, &c.
Huddlestone, A. (R.P.). Compston

ARTHUR JACKSON,
Builder, Contractor, & Quarry Proprietor,
AMBLESIDE.

Works executed include—
Grizedale Hall, Lancs., for Harold Brocklebank, Esq.; Messrs. Walker, Carter & Walker, of Windermere; and A. P. Fry, Esq., of Liverpool, Archts.
New Vestry, St. Mary's, Ambleside; Messrs. Paley, Austin & Paley, Archts., Lancaster.
New Mansion, Skelwith Fold, Ambleside, for Stephen A. Marshall, Esq.; Messrs. W. C. Marshall & Vickers, Archts., 28 Bedford Square, London.
Mansion, Hammerbank, Windermere, for Hubert Coutts, Esq., R. Knill Freeman, Esq., Archt., Bolton, Lancs.
New Residence (Nab Wood), Bowness on Windermere, for G. Ashby Pritt, Esq.; Messrs. Woolfall & Eccles, Archts., Liverpool.
New Mansion, Brockhole, Windermere, for W. Gaddum, Esq.; Messrs. T. H. Mawson & D. Gibson, Archts., Windermere.
Windermere Hall, Storrs, for Edward Holt, Esq.; M.H. Baillie-Scott, Esq., Architect, Douglas, Isle of Man.
Alterations and Additions, Holbeck, Windermere, for Robert J. Clegg, Esq.; Messrs. Bradshaw & Gass, Archts., Bolton, Lancs.
Alterations & Additions, Ibbotsholme, Windermere, for James Wrigley, Esq.; Joseph Bintley, Esq., Archt., Kendal.

Mackereth, R., Kelsick Rd. (Joiner
Newall, T. (Carpenter & Joiner)
Newton, T. (Exors. of), Waller and Mason)
Stalker, W., & Son, North Rd. (Carpenters & Joiners)
Vitey, R. (Plumber & Painter)

BEETHAM, Milnthorpe,

Stephenson, W. (Joiner)

GRASMERE.

Hodgson, J. C.
Wilson, E. (Joiner)
Wilson, J.
Wilson, T. (Joiner)

Westmoreland—*continued.*

KENDAL.
Anderson, R., Stricklandgate (Plstr.)
Airey, L. & Co. (R.P.), 39 Stramongate
Allan, J., Wildman St. (Carpentr., &c.)
Benson, N., Lowther St. (Joiner)
Collett, H., Sandes Avenue, (Cptr.)
Davis, B., Highgate (Plasterer)
Dixon & Son, Highgate (Masons)
Dixon, R., Fellside (Mason)
Dixon, W., & Sons, Fellside (Masons)
Dobson, T., Arnside.
Downham, S., Gillingate (Mason, &c.)
Hayes & Parkinson, 9 Captain French Lane (Carpenters and Joiners).
Hine, J. & Sons, Highgate (Painter)
Hine, J., Tower Bldgs., Lowther St., (Mason and Slater)
Hine, T., & Son, Serpentine Terrace, (Masons)
Howie, J. W., Gillingate (Mason)
Hubbard, E., New Bank Yd., (Plbr.)
Hutchinson, W., Highgate (Joiner)
Jackson, W., & Co., Highgate (Plbr).
Lyon, G., & Son, 45 Highgate (Painter, &c.)
Martindale, G. F., Entry Lane (Jnr.)
Nelson Bros., Entry Lane (Carpenters and Joiners)
Park, T & S., Stricklandgate (Jnr.)
Parsons, W. (R.P.), 43 Highgate
Pennington, R. T., Stricklandgate (Mason)
Simpson, J., Bonded Warehouses.
Steele, J., & Co., Highgate (Plstrs.)
Tanner, P., Highgate (Plumber)
Wileman, T., Highgate (Painter)
Woodburn & Storey, Low Fell Side (Plasterers)

KIRKBY LONSDALE.
Bayliff, W., New Rd. (Mason)
Dean, J., Bective Rd.
Newsholme & Winder, Ingleton

KIRKBY STEPHEN.
Brockbank, J. (Mason)
Jackson, W. (Joiner)

MILNTHORPE.
Hodgson & Nelson (Msns. & Sltrs.)
Scott, C., Church St. (Mason)
Semple, G., Park Rd. (Plumber)
Thompson, J. (Plumber)
Wilson, T. & W. (Joiners)

OLD HUTTON, Kendal.
Fawcett, J. W. (Mason)
Nelson, A., Junr. (Joiner)

STAVELEY, Kendal.
Storey, Bros. (Masons)

WINDERMERE.
Atkinson, T. & M., Crescent Rd. (Wallers & Slaters)
Atkinson, W. (Waller & Slater)
Benson, T. J. (& Joiner)
Bousfield, H., Lake Rd. (Plumber)
Braithwaite, J., Broad St. (Waller & Slater)
Cousins, T. H. (Plasterer)
Croft, J. G. (Painter)
Edmondson, J., Bowness (Joiner)
Fleming & Son, Bowness (Wallers)
Longmire, J. B. (Joiner)
Moore, J., & Sons (Painters)
Musgrave, P. (Plumber)
Pattinson, G.H., Elim Grove (Waller, Mason, & Slater)
Pattinson, J. A. (Plumber)
Russell, T., Bowness (Plumber)
Thompson, G., Bowness (Joiner)

Wiltshire.

ALDBOURN, S.O.
Lawrence & Sons
Moulding, J.

AMESBURY, Salisbury.
Cole, W. Q.

AVEBURY, Calne.
Shipway, J.

BRADFORD-ON-AVON.
Beaven & Son, Mason's Hill
Knight, J., Trowbridge Rd.
Long A. W., Newtown
Long, J., 38 Frome Rd.
Mayell, A., Bartindale
Self, W., 6 Newtown
Taylor, J., Junction Rd.
Turner, J., 4 New Rd.

BROMHAM, Chippenham.
Webb, W.

BURBAGE, Marlborough.
Bailey, H.

CALNE.
Beazley, W., Wood St.
Blackford, H., Shelburne Rd.

CHIPPENHAM.
Downing & Rudman, Old Rd.
Light, W., & Son, & Co., New Rd.
Salway, G. S., River St.
Smith, J., New Rd.
Swayne, T., Causeway

DEVIZES.
Ash, H., Northgate St.
Chivers, J., Sidmouth St.
Chivers, W. E., 29 Sheep St.
Rendell, F., & Sons, St. John St.

DOWNTON.
Bailey, J., Radnor House

HIGHWORTH.
Chick, Carden & Co., Ltd., Market Square.

LACOCK, Chippenham.
ank, F.

LIMPLEYSTOKE, UPPER, nr. Bath.
New, F.

MALMESBURY.
Wilkins, H., Lower High St.

MARKET LAVINGTON.
Hopkins, W.

MARLBOROUGH.
Bailey, G.
Hillier, B. (see Advt.)
Piper, W. E., The Parade
Stiles, R., The Green

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Upcot House, Marlborough. R. Norman Shaw, Esq., Archt.
Science Rooms and Physical Laboratories, Marlborough College. C. E. Ponting, Esq., F.S.A., Archt.
Domestic Offices, Marlborough College, Messrs. Bodley & Garner and C. E. Ponting, F.S.A., Joint Archts.
Summerfield House, Marlboro'.
Racquet Courts, Marlborough College.
Town Hall, Marlborough. C. E. Ponting, Esq., F.S.A., Archt.
And various other works.

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Bigwood & Co.
Davis, G., & Sons, Church Walk

PURTON.
Barns, J., Crickdale Rd.

RAMSBURY (Hungerford).
Alexander, H. N., High St.

SALISBURY.
Billett & Musselwhite, 151 Castle St.,
Day, W. & G. S, Milford Hill.
Dawkins, T., Barford St. Martin, near
Harris Bros., St. Paul's Rd.
Kite, H. J., Exors of, Wilton Rd., Fisherton.
Pearce, E., & Sons, High St.
Roles, W. & Son, Green Croft St.
Vincent & Folland, Charles St. Fisherton.
Williams, R. R., 81 Brown St.
Witt, E., 155 Fisherton St.
Wort & Way, Castle St.
Young, W. J. & C. S., 76 Gigant St.

STANTON ST. QUINTON, Chippenham.
Downing, J.

STRATTON ST. MARGARET, Swindon.
Looker, H., Swindon Rd.

Wiltshire—*continued.*

SWINDON
Colborne, A. J.
Colborne, T., Drove Rd.
Cook, H. C., Devizes Rd.
Grainger, W., Manchester Rd.
Lay, J., Hythe Rd.
Leighfield, R. J., Witney St.
Norman, J. G., Victoria Rd.
Panting, J., Lethbridge Rd.
Ponting, J., Milton Rd.
Spackman, H. & C., Victoria Rd.
Tarrant, J. W. C., Newport St.
Tydeman, Bros., Edgware Rd.
Webb, J., Station Rd.

TROWBRIDGE.
Linzey, E., The Halve
Moore, G., Church St.

WARMINSTER.
Butcher, R., & Son, George St.
Curtis, F. & Son, Portway
Franklin, H., Silver St.
Parsons, B., & Sons, Weymouth St.
Pearce, J., Corsley Heath
Ponton, A. L., Emwell St.

WESTBURY.
Burgess Bros., Station Rd.
Parsons Bros., Station Rd.

WOOTTON BASSETT.
Lansdown, T., High St.

WROUGHTON, Swindon.
Cowley, E.

Worcestershire.

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Bridges, S.
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Williams & Boddy, Station Rd.

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Furber, T., Redditch Rd.

ASTWOOD BANK, Redditch.
Harris & Wright
Huxley, G., Evesham Rd.

BARNT GREEN, S.O.
Edwards, H.
Wood, W. T., The Leys, Rednall

BROMSGROVE.
Brazier, J. & A., Worcester St.
Cook, T.
Giles, A., Stourbridge St.
Grey, T. & E., Hanover St.
Tilt, J.
Weaver, W., Central Joinery Works

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Panter, D., & Sons

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Crawford, W.

DROITWICH.
Small Bros., Ombersley St.

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Crump, A. J., Aston Rd.
Deeley, W., Netherton, near
Golding, H., & Son, Netherton, near
Hadley, E., & Sons, Old Hill, near (Iron Church and House)
Holland, J., Brooke St.
Jakeman & Round, Mafeking St.
Love & Flint, 43 Cross St.
Oakley & Coulson, Stafford St.
Round, M., New St.
Seckerson, J. W., Buffery Road
Webb Sidney, Porter St.
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Harris, E., Crane St.
Howard & Sons, 34 Church St.
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Thompson, R., Park Lane
Walker, C., Park Lane
Wridgway, W. H., Woodfield St.

KING'S NORTON.
Hundy, C., Station Rd.

KNIGHTON-ON-TEME, Tenbury.
Hill, T.

LANGLEY.
Beach, J. T., Mill Lane
Jackson, W., Barr St.

MALVERN.
Allen, A., E., Queen's Rd., Malvern Link
Baker, F. F., North Malvern

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Sanitary Engineers, and
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Contractors by Appointment to H.M. Office of Works.
Additions to Mansion, New Stables, Model Farm, Fire-mains and appliances, Electric Lifts, &c., at Market Drayton; Fred. C. Lynde, Esq., C.E., Archt. and Eng., Manchester; £50,000.
Restoration of Malvern Abbey; F. G. JACKSON, Esq., R.A., Archt.; £4,500.
Lloyds' New Bank, Malvern; T. J. CHATWIN, Esq., Archt.; £7,000.
Restoration of Mathon Church; G. H. FELLOWES PRYNNE, Esq., F.R.I.B.A., Archt.
Houses for Sir J. C. Holder, Bart; WM. HENMAN, Esq., F.R.I.B.A., Archt.; £12,000.
Exchange Buildings, Malvern; ALBERT BAKER, Esq., Archt.; £10,000.
New Stables, Billiard Rooms, Stables, Drainage, &c., for F. W. G. Greswolde-Williams, Esq.; £21,000.
New Gymnasium, Fives Courts, and Racquet Courts for Malvern College Council; Messrs. HENMAN & COOPER, F.R.I.B.A., Archts.; £12,000.
New Catholic Church, Gt. Malvern; Messrs. PUGIN & PUGIN, Archts.
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Agent's House and Stabling for the Right Hon. the Earl Beauchamp; Messrs. C. HEATHCOTE & SONS, Archts. Manchester

Worcestershire—*continued.*

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Hayes, W., & Son, Worcester Rd.
Holloway, A., Malvern Wells
James, W., The Wyche
McCann, T., Malvern Link
Porter, W., Wells Rd.
Wilesmith, M., Malvern Link

NORTHFIELD.
Hinks, J., Bristol Rd.
Mathews, R., Cofton Common
Pegram, C., Bristol Rd.

OLDBURY.
Bagnall, T., & Sons, Portway Rd.
Harper, H., Birmingham Rd.
Wortley, J., Birmingham St

OMBERSLEY.
Brown, E.

PERSHORE.
Coombe, J., High St.
Nicholas Bros.
Nicholas, W., 27 Bridge St.
Smith, J. W., Priest Lane

REDDITCH.
Avery, A. G., Evesham St.
Edkins, W. H., & Son, Alcester St.
Holloway, H., 7 Wellington St.
Huins, C. G., & Sons, Ipsley St.
Huins, G., & Sons, Lodge Rd.
Newbold, F., Hill's Yard
Surman, H., Oswald St.
Yeomans, T., Ipsley St.

SHIPSTON-ON-STOUR.
Adams, G. E.
Hartwell, T.
Ward, B.

SPETCHLEY.
Day, H., Kingston, near

STOURBRIDGE.
Bayliss, W., Belbroughton, near
Freeman, C., Belbroughton, near
Griffiths, C., Valley Rd., Lye
Guest, A. H., Wollaston
Guest, J., & Son, Amblecote
Mason, T. J., 27 New Rd.
Simmonds, A., Pargeter St.
Young, W., South Avenue

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Hodges & Co., York St.
Shepherd, J., & Son, 40 High St.
Vale, T., & Sons, Ltd.

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Howells, W., Worcester Rd.
Hewitt, H., Cross St.

UPTON-ON-SEVERN, Worcester.
White, R., Old St.

WOLVERLEY.
Smith, H.

WORCESTER.
Andrews, J., Friar St.
Bromage & Evans, London Rd.
Hunt, W. W., Bridge St.
Kendrick, J., Lowesmore
Lampitt, J., Wyldes Lane
Phelps & Johnson, Little London
Probert, H. J., 12 Tything
Stokes Bros., Tybridge St.
Watts & Co., Lowesmoor
Wells, G., Foregate St.
Wilkes, R., Banbourne
Wood, J., & Sons

WRIBBENHALL, Bewdley.
Parton, W.

WYTHALL, Redditch.
Johnson, C., & Son

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Heaton, H.

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Dixon, M.

ACOMB, near York.
Braithwaite, J.
Hudson, W.

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Emmott, J. & B.

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Cockcroft & Jarratt (Plumbers)
Drake, H. & G. (Plasterers)
Drake, P. (Mason)
Foster, J. (Joiner)
Graham & Hanson (Masons)
Hanson, J., Prescot Ter. (Painter)
Noble, J., & Son (Painters)
Ross, S., Sandy Lane (Mason)

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Bramham, J.

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Kirkby, J.

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Raine, J.

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Taylor & Ellis (Masons)
Wilks, J., & Son (Plasterers)

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Shaw & Sons, Park Rd.
Smith, E., Well House Rd.

BARNSLEY.
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Ashworth, H., Back Queen St. (Plumber)
Atkinson, Bros., Grafton St. (Joiner)
Beaumont Bros., ShamblesSt.(Pntrs)
Beaumont, W., 30 May Day Green (Painter)
Broley, E., Park Rd. (Plumber)
Brown, A., Regent St. (Plumber)
Burnett, G., & Sons, Cheapside (Painters)
Burrows, G. H., Park Rd. (Mason)
Chambers, A., Wilby Lane (Joiner)
Cornes, J. P., Doncaster Rd.
Dalby, P., 4 RoseburyTer., Brinckman St. (Mason)
Dawber, Townsley, & Co., Ltd., Eastgate (Slaters)
Denison, B., Regent St., South (Plumber)
Dransfield, W., Dodworth Rd. (Plbr.)
Dryden, C., Doncaster Rd. (Plasterer)
Dunk, W., Huddersfield Rd. (Mason)
Dwight, B., Town End (Painter)
Dyson, W., Kingstone Place (Joiner)
England, W. G. & L., Summer Lane Saw Mills (Joiners)
Fleming, E., Eastgate (Slater)
Fletcher, E. R., Church St. (Painter)
Goodyear, W., & Son, Beechfield (Joiners)
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Lindley, T., Park Grove (Plasterer)
Medley, H., 30 Princess St. (Mason)
Mellor, G. H., Measboro' Dyke (Msn.)
Newton, T., Church St. (Carpenter)
Owram, A., Doncaster Rd. (Mason)
Plastow, G., & Son, Swift St.
Potter, J. & C. D., 15 Longman Rd. (Masons)
Robinson, W., & Son, Doncaster Rd. (Masons, Joiners and Slaters)
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Ruffles, R., Doncaster Rd. (Mason)
Rushforth, S., & Son, Eldon St. (Plumber)
Rymer, G., Summer Lane (Mason)
Sharpe, J. R., Rymer's Yd., Sheffield Rd. (Plumber)
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Smith, J., Newton St. (Carpenter)
Smith, R., Race Common Rd. (Joiner)
Smith, W. Sheffield Rd. (Painter)
Snowdon, J., & Son (R.P.s) Market St.
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Squire, S., & Son, 221 Sheffield Rd. (Masons)
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Taylor, E. R., 173 Doncaster Rd. (Msn.)
Taylor, J., Sheffield Rd. (Mason)

Yorkshire—*continued.*

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Thornley, J., Shambles St. (Joiner)
Tock, G., Fitzwilliam St. (Mason)
Turton & Field, Stairfoot, nr. (Masons)
Turton Bros. Pontefract Rd. (Joiners)
Walker, B. F., 5 Spencer St. (Joiner)
Walker, S., Race Common Rd. (Msn.)
Watling, J., Eastgate (Joiner)
Wilcock, T., Pitt St. West (Plasterer)

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Beckwith, W. (Painter)
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Crosland, H. & Sons, Healey Lane
Exley, W. T., 39 Wellington St. (Plumber and Glazier)
Field, E. C. (Joiner)
Firth, J. (R.P.), Providence St.
Fox, S., New St. (Joiner)
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Greenwood, J., Union St. (Plasterer)
Hepworth, G.F., 13 Stralan St. (Msn.)
Hepworth, J.D., Bradford Rd. (Msn.)
Hustwit, J. T., Up. Taylor St. (Plbr.)
Illingworth, C., White Lee (Joiner)
Illingworth, T., White Lee (Joiner)
Jeffery & Peace (Joiners)
Jessop, G. W. (R.P.), 7 Cross Bank
Kaye & Scates, Old Mill Lane (Jnrs.)
Lambert, T., Station Rd. (Painter)
Lockwood, W. (Plasterer)
Mann, S., Dark Lane (Joiner)
Milnes, E. (Painter)
Molineux & Ramm, Beck Lane, Carlinghow (Painters, etc.)
Mortimer, G. & J., Carlinghow (Mason)
Mortimer, T., 11 North-Bank Rd. (Mason)
North, W., Hanover St. (& Joiner)
Parr, J. H. (Painter)
Thompson, W. H., Bradford Rd (Slater)
Tomlinson, G. & Son (Painters)
Tomlinson, T., & Co., 93 Commercial St. (Painters and Decorators)
Walker, W. (R.P.), 26 Peel St.
Walshaw & Wood (R.P.), 195 Commercial St.

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Fothergill & Schofield, Warwick Rd. (and Joiners)
Hirst, F., Upper Rd. (Plumber)
Kershaw, C., Town St. (Painter)
Kitson, G., David Lane (Mason)
Lodge, J., Warwick Rd. (Painter)
Lyles & Son, David Lane (Joiners)
Waller, S. (R.P.), Upper Rd.

BEDALE.
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BEIGHTON, Rotherham.
Staveley, T.

BENTHAM, Lancaster.
Burrow, J. & T.
Cumberland & Holmes
Greenep, W., (R.P.)

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Johnson, W.

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Campey Bros., Butcher Row (Pntrs.)
Constable, J., Newbegin (all trades)
Elwell, J. E., & Son, North Bar St. (Joiners and Carvers)
Foley, J. R., Toll Gavel (Joiner)
Harrison, W. L., Toll Gavel (Plmbr.)
Pape, G., & Sons, Walker Gate (all trades)
Pape, R., Toll Gavel (Mason)
Ramshaw, E., Wednesday Market (Plumber)
Sykes, T., Wood Lane (Bricklayer)

BINGLEY.
Atkinson, W. R. & R., Bradford Rd. (Joiners &c.)
Brown, J., & Son, Mornington Rd.
Foulds, Bros., Ireland Br. (Masons)
Foulds, T., Ferrand St.
Johnson, E., Johnson St. (Mason)
Spurr, H. (Plasterer)
Thornton, W., Bromley Rd. (Slater)
Town, S., Park Rd. (Mason)
Whitley, W., Park Rd. (Joiner)
Walton, W. H., & E., Ashfield Ter.
Wood, R., Charles St.

BIRDWELL, Barnsley.
Robinson, F. G. (Mason)

BIRKBY, Huddersfield.
Clark, J. B. (Joiner)

BIRSTALL, near Leeds.
Akeroyd, J., & Sons, Leeds Rd. (Masons, Carpenters, and Joiners)
Crossley & Sons (Plasterers)
Farrar, B., Brownhill (Mason)
Farrar, J., Brownhill (Mason)
Firth, J. F. (R.P.), Huddersfield Rd.
Foster, —, High St. (Plumber)
Hopkinson, A., Jackson St. (Carptr.)
Leadbeater, B. (Plasterer)
Nelson, I., Gelderd Rd. (Mason)
Missey, —, High St. (Plumber)
Willans, M., & Son, High St. (Joiners)
Yates, A. (Mason)
Yates, H. (Carpenter and Joiner)

BISHOPSTHORPE, York.
Horner, R., & Son

BOLTON-UPON-DEARNE.
Adams, E. (Joiner)
Bradley, G. (Painter)
Dickinson, J. (Mason)
Horn, G. (Joiner)

BOROUGHBRIDGE.
Waddington, J., Kirby Hall

BRADFORD.
Anderson, J., Naylor's Yard, Sunbridge (Heating Engineer)
Atkins, G., 81 Manningham La. (Decr.)
Barker, A., Neal St. (Plasterer)
Barrand, W., Woodville Ter. (Roads)
Barrett, H. & Sons, 37 Thornton Rd. (Constl. Steel Works)
Bassett, A., 76 City Rd. (Painter)
Bates, J. & W., 827 Manchester Rd. (Plasterers)
Billington, T., Green Lane, Manningham (Plasterer)
Binns, W. M., 3 Vaughan St., Westgate (Joiner)
Blythe, W., Simes St. (Lead Glazier)
Bogg, W. G., Church St., Manningham (Joiner)
Bolton, T., 78 Tudor St. (Plasterer)
Booth C., & Son, Lidget Green, Gt. Horton
Booth, M., & Sons, Fox Brow, Clayton
Booth, O., & Son, Bartle Lane, Great Horton (Masons)
Bradley, —, Infirmary St. (Plasterer)
Briggs Bros., Lumb Lane Saw Mill
Briggs, E. & B., Low Moor, near (Painters and Decorators)
Brown, T., Leamington St., Manningham
Broxup, A., & Son, Cross St., Great Horton
Bywater Bros., Low Moor, near (Plumbers)
Clapham, J. H. (R.P.), 314 Bowling Old Lane
Coates, J., Vignola St., Laisterdyke
Cordingley, T., & Sons, Thorncliffe Rd. (Asphalters & Concreters)
Crabtree & Thornton, Havelock St., Great Horton
Dale, W., Cordingley St., Otley Rd. (Mason)
Dawson, R.F., & Son, Noble St. (Msns.)
Day, G., 87 Grange Rd.
Daykin, W., 14 Valley Par. (Mason)
Demain, G., & Son, St. Jude'sPl. (Jnrs.)
Denison & Breaks, Ltd., Preston St. (Ironfounders)
Dewhirst, R. H., Vaughan St. (Whitesmith)
Dixon, B., & Co., 15 Chester St. (Plasterers)
Dobson, J. (R.P.), 40 Church St., Manningham
Farnish, W., 6 Booth St. (Mason & Bricklayer)
Fearnley, E., & Sons, Trafalgar St. (Joiners)
Fortune, J., Adolphus St. (Joiner)
Foster, J., 120 St. Leonards Rd., Girlington (Mason)
Gladstone, J., Neal St. (Joiner)
Grew, J., Fountain St., Manningham (Painter)
Haigh & Slater, Field Head Bldgs., Lister Hills Rd. (Plumbers)
Haley, E. & W. H., Lister Hills Foundry (Ironfounders)
Hallam & Holgate, 48 Manningham Lane (Plumbers)
Hammond, J., & Sons, Four Lane Ends
Hardy, S. (R.P.), 75 Roundhill St., Little Horton
Hargreaves, W. H., 12 Peckover St.
Harland, J. E. (R.P.), Morley St.
Harland, E., & Sons, 26 Manor Row (Joiners, Plumbers, & Decorators)
Hartley, C. V., 61 Manningham Lane (Painter)

Yorkshire—*continued.*

Hewitt, T. H., Morley St. (Painter)
Higginbotham, F. W., Undercliffe Lane (Plumber and Painter)
Hill, T., & Sons (R.P.), Lumb Lane
Hill & Nelson, Edmund St. (Slaters)
Hird, W., & Son, 172 Manningham Lane (Painters)
Hirst, D., Low Moor, near (Mason)
Hobson, J., Cornwall Rd., Manningham (Painter, &c.)
Hodgson, E. & S. (R.P.), 43 Listerhills Rd.
Hodgson, H. (R.P), Leeds Rd.
Holroyd, W. H., 50 Holme Top Lane, Horton (Mason)
Holdsworth, J. W., & Co., Salt St., Manningham (and Joiners)
Howroyd, C., & Son, 85 Sterling St. (Plasterers)
Howroyd, C. (R.P.), 5 Clarence St.
Hullah, G., Wapping Rd.
Illingworth, T. & Son, 55 Brunswick Place (Marble Masons)
Jackson Bros., Garfield Avenue, Manningham (Joiners)
Jackson, S., 23 Hall Lane (Joiner)
Jowell, N., Worthington St., City Rd.
Kellett, W., Fitzwilliam St. (Jnr.)
Lawson, J. H., 252 Gt. Horton Rd. (Painter)
Lazenby, W., & Son, Northgate (Glazier)
Lister, S., Leeds Rd. (Ironfounder)
Lupton, S., & Sons, 31 John St. (Pntrs.)
Lynn, J., 56 Manningham La. (Pntr.)
Macdonald, D. G., & Son, Ambler St. (Joiners)
Marsland, J., 257 Wakefield Rd. (Pntr.)
Mears, T., Wade St. (Heatg. Engr.)
Morrell, L., & Sons, 76 Manningham Lane (Decorators)
Moulson, J., & Son, Ld., 86 Bower St. (Masons and Joiners)
Nelson, T., & Son, 7 Springfield Pl., Manningham Lane (Slaters)
Newell, W., Infirmary St. (Joiner)
Nunwick, T. & Sons, 12 Valley Parade (Plumbers &c.)
Obank, T., & Sons, Thackley
Oddy, S., & Son, 55 Market St. (Pntrs.)
Peel, H., Dudley Hill Rd.
Perry, T. (R.P.), Great Horton Rd.
Pickering, W., Garnett St. (& Joiner)
Pickles, T., Dudley Hill (Plasterer)
Powell, B., & Son, Lister Hills Rd. (Plumbers and Painters)
Pratt, C., & Sons, N. Parade (Dectrs.)
Raper, R., Dudley Hill (Joiner)
Roberts & Co. Ltd., Cutler Heights Lane (Ironfounders)
Scarr, J., 350 Gt. Horton Rd. (Plmbr.)
Schofield, J., 1234 Leeds Rd. (Joiner)
Shackleton, A., 34 Kingswood St., Gt. Horton (Joiner)
Shackleton, T., & Co., Cutler Heights
Shaw, E., & Son, North Parade (Shop Fitters)
Shepley, P. (R.P.), 10 Lumb Lane
Shuttleworth, C., & Co., 354 Manchester Rd. (Painters & Plasterers)
Slater, W., Low Moor, near (Slater)
Small, W., Rushton Rd., Thornbury
Smethurst, W., 205 High St., Great Horton (Mason)

NATIONAL TELEPHONE—1803 & 1803A

JAMES SMITHIES,
CONTRACTOR FOR SLATING,
Bradford & Brighouse.

Works executed include—
Midland Railway Company's Goods Warehouses and Stations, Bradford, Manningham, Bingley, Keighley, Ilkley, Bolton Abbey, Skipton, and Lancaster.
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Church, Whaley Bridge.
Church and Schools, Moss Side, Manchester.
Welburn Hall, Kirby Moorside.
Church, Bolton Percy, York.
Central Stores, Brighouse.
Fire Station, Elland.
Residence, New Mills, Derbyshire, Stockfield Park, Wetherby, and several other works in different parts of the Country.

Speciality:—Yorkshire Stone Slating. Quotations for Slate, delivered or fixed in any part of the country. List of Buildings given.

Telegrams—SMITHIES, GT. HORTON.

Stanley, W., 38 Jesmond Av. (Mason)
Stow, J., Ltd., Otley Rd. (Joiners)
Sugden, J. W. & G., Bertram Rd., Manningham (Plasterers)
Sutcliffe, T., 71 Northgate (Plumber)
Taylor, J., Park Rd. (Joiner, &c.)
Taylor, T., & Son, Salem St. (Joiner)
Theobould, J., 930 Wakefield Rd. (Plasterer)
Thompson, Bros., Ward St., Great Horton (Joiners)
Thornton & Crebbin, Hammerton St. (Ironfounders)
Thornton, J., 2 Daisy Terrace, Great Horton
Throp, J., Southfield Lane, Great Horton (Plasterer)
Toothill & Balmforth, Spicer St. (Joiners)
Townend, R., Croft St. (Plumber)
Townson, W., Holme Top St., Manchester Rd. (Painter)
Twivy, T., 7 Tennyson Pl., Otley Rd. (and Joiner)
Varley, C., 7 Girlington Rd. (Plstr.)
Walker (R.P.) & Pitchers, 4 Northgate
Wallace, J., Baptist Place, Westgate (Painter)
Walton, J., Edmund St.
Waterhouse, H., & Sons, Tong St., Dudley Hill (Carpenters & Joiners)
Wear, F., & Son, Burnett Avenue
West Bros., Girlington (Joiners)
Wilkinson & Dawson, Bowland St. (Joiners)
Wilkinson & Kellett, 62 Copley St., Little Horton (Joiners)
Wray, S., & Co., John St. (Masons)

BRAMLEY, near Leeds.
Appleyard Bros.
Haley, W. W.
Lambert, A.
Thorpe, R., 9 Hough Grove
Trickett, J., & Son (Joiners)

BRANDESBURTON, Hull.
Bielby, E. (Bricklayer)
Metcalf, H. (Joiner)

BRIDLINGTON.
Bailey, R., & Sons, Victoria Rd.
Booth, A. A., Tennyson Avenue
Dawber & Sons, Ltd., West End Harbour (Slaters)
Dodgson, W., Cardigan Rd. (Slater)
Earnshaw, A., Trinity Rd. (Mason)
Gardam, A., Marshall Avenue
Garland, J., Chapel St. (Painter)
Gray, T., Quay Rd.
Hoggard, W., Nelson St.
Hudson, J. H., Princess St.
Jarvis, G., Quay Rd. (Plumber)
Knaggs, G., Manor St. (Painter)
Kneeshaw, F., Richmond St
Marsh, E. W., Hilderthorpe Rd. (Plbr.)
Musk, R., The Pavilion
Postill, F., Park Avenue (Joiner)
Preston, G. R., Flamboro Rd. (Msn.)
Sampson & Siddall, Marshall Av.
Sawdon, J., Quay Rd.
Sawdon, G. W., West St. (Painter)
Siddall, T., Windsor Cres. (Painter)
Smallwood & Shaw, Marshall Av.
Spink, T., Richmond St.
Stork, J. R., Station Rd.
Storr, W. A., King St.
Walker, W. A., Hilderthorpe Rd. (Plumber)
Walkington, F., Tennyson Avenue
Wilson, E., & Co., Hilderthorpe Rd. (Joiners)
Yeoman, E. E., St. John's Avenue

BRIGHOUSE.
Barraclough, H., & W., Clifton Rd. (Roads)
Barraclough, F., Garden Rd. (Joiner)
Barraclough, J., Owler Ings (Plastr.)
Beckwith Bros., Mill Lane (Elec.)
Bottomley & Holmes, Rastrick (Mns.)
Bottomley, J., Rastrick (Mason)
Bottomley, T., Railway Saw Mills (Joiner)
Briggs, J. (Mason) Marion St.
Broughton, H., & Co., Mill Lane (Ironfounders)
Candellatt, C., Briggate (Plumber)
Castle & Co., Owler Ings (Plasterers)
Cocksedge, L., Lightcliffe Rd. (Msn.)
Cross, J., & Son, Garden Rd. (Mns.)
Crossley, W., Bryn Terrace, South Home Lane
Fearnley Bros., Clifton Common (Masons)
Firth, A., Spring St. (Plasterer)
Gledhill, B., Lane Head (Plasterer)
Halliwell, W., Wakefield Road (Jnr.)
Helliwell & Co., Birds Royd (Patent Glaziers)

Yorkshire—*continued.*

Heponstall, C., 3 Dale St. (Plstr.)
Hirst, H., Bradford Rd. (Painter)
Hirst, T. A., Owler Ings (Joiner)
Jowett, W., Owler Ings (Roads)
Kilburn, J., Huddersfield Rd. (Plmr.)
Lawson, J., & Sons, (R.P.) Commercial St.
Marshall & Co., 6 Laverock Lane (Masons)
Marshall, A., Rastrick (Painter)
Morrell, J., Bridge End (Joiner)
Rayner, B., Rastrick (Joiner)
Smithies, J., Clifton Common (Slater)
Sykes, B., & Sons, Park St. (Joiners)
Thornton, F., Hangram St. (Painter)
Tidswell, C., Rastrick (Mason)
Turner, J. W., Commercial St. (Pntr.)
Waddington, A. L. (R.P.), 3 Briggate
Wright, C., Bradford Rd. (Painter)

BROMPTON, York.
Leaf Bros.

BROTTON.
Gladstone, M., Abbey St.

BROUGH.
Goodwill, T., South Cave

BURLEY-IN-WHARFEDALE Leeds.
Mounsey, W., Peel Place

CALVERLEY, near Leeds.
Barker, J., & Son (Joiners)
Davison, W., Thornhill St. (Painter)
Elliott, A. (Plumber & Painter)
Firth, W., Chapel St. (Joiner)
Holgate, F. (Painter)
Jeffrey, J., Back Lane (Plumber)
Jennings, W. H., Carr Rd. (Mason)

CARLETON, Skipton.
Bradley, G.

CASTLEFORD.
Allison, W. P., Cambridge St. (Slater)
Atkinson, S., Sagar St.
Bateson & Sons, Wood St. (Plumbers)
Beighton, F., Swanthorne La. (Plstr.)
Brook, J. H., 198 Glebe St. (Painter)
Craven, H., Perseverance Terrace
Evison, S., Pontefract Rd. (Slater)
Forster, J., North St. (Painter)
Gallagher Bros., Morrison St.
Gillatt, R., Perseverance St. (Joiner)
Hatton, C., The Mount
Holland, W., Carlton St. (Joiner)
Lockwood, Spencer, Louisa St. (Plasterer)
Pennington, M. H., Bridge St. (Plbr.)
Ramskill, H., Pontefract Rd.
Rodgers, J. L., Albion St. (Drainer)
Sweeting, W., Bridge St.
Thompson, T., 4 Smawthorn Grove
Walker Bros., Charles St.
Walker, R., & Sons, Beancroft Rd.
Watson, T., 101 Carlton St. (Painter)
Watson, M. H., Leake St. (Painter)
Whaley, J. H., & Son, 13 Bradley St. (Carpenters and Joiners)
Wright, T. G., & Sons, Oxford St. (Joiners)

CATTERICK, S.O.
Mackenzie, G., & Son

CAWOOD, Selby.
Acomb, T. (Plumber)
Elcock, T., Back Lane (Bricklayer)
Stronach, G. (and Joiner)

CHAPEL-ALLERTON, Leeds.
Bedford, J. E. & E. (R.P.)
Clarkson, B.
Richardson, J., 110 Harrogate Rd.

CHAPELTOWN, Sheffield.
Bool, F. & T. (Plumbers, &c.)
Hallam, A., Charlton Clough (Jnr.)
Marsden, R., Houseley
Mellor, G., Medomley (Joiner)

CHURWELL.
Wood, J., & Son

CLAYTON, Bradford.
Booth & Sons, Fox Brow (Masons)
Kershaw, C., Clayton Lane (Joiner)
Robinson, J, Maltkiln (Joiner)
Rushworth, I.
Ward, J., Bradford Rd. (Mason)
Wilman Bros., Green End Pl. (Jnrs.)

CLAYTON, WEST, Huddersfield.
Hincliff, G., & Son

CLECKHEATON.
Bentley, H. H., Westgate (Plumber)
Broughton, R., Greenside (Plasterer)
Broughton, W., & Son, Brooke St. (Plasterers)
Burnhill, J., Old Market Pl. (Painter)
Burnhill, J., & Sons, High St., Moorend (Joiners)
Clapham & Walker, Bradford Rd. (Painters)
Crossland & Mann, Wilby St. (Jnrs).
Crowther, H. S., Westgate (Pntrs.)
Drake, A. & Sons, Whitcliffe (Masons)
Greenwood, S., & Son, Pyenot Hall Lane (Masons)
Haley, W. T. (R.P.), Cross Crown St.
Hirst, J., & Son, Moorend (Masons)
Nutter, E., Cheapside (Plumber)
Nutter, S., & Son, Cheapside (Painter)
Peel, B., Mount St. (Painter)
Peel, J., Albion St. (Painter)
Ratcliffe, S., Bradford Rd. (Plumber)
Roberts, J., Westgate (Slater)
Robinson & Crowther, Whitcliffe Rd. (Masons & Slaters)
Rodgers, R., Northgate (Joiner)
Sellers Bros., Bradford Rd. (Plstrs.)
Smith, H., & Sons, Cheapside (Ptrs.)
Taylor, H., Bradford Rd. (Painter)
Taylor, J. W. (R.P.), Albion St.

CLOUGHTON, York.
Atkinson, —

CONISBOROUGH, near Rotherham.
Downing, J., Exors. of, Doncaster Rd.
Earnshaw Bros., Earnshaw Lane
Goodlad, W., High St.
Greathead, J. E., Park Rd.
Richardson, J., Dark Lane
Robinson Bros., Tickhill St., Denaby Main
Savill, H., New Hill
Twiby, J., & Sons. Holy Well Rd.

COTTINGHAM, Hull.
Liversedge, F., King St. (Plasterer)
Wright, H., King St. (Joiner)

CRAMBE.
Nicholson, W. (Joiner)

CROSSHILLS, Keighley.
Barrett, J. (Mason)
Greenwood, J. (Plasterer)
Greenwood, J. (Joiner)
Petty, R., Sutton (Painter)
Smith, W., & Co.
Witham, S. (Mason)

CROSS ROADS, Keighley.
Brearley, J. (Plasterer)
Greenwood, J. (Mason)

CUDWORTH, near Barnsley.
Allen, W. (Mason)
Binns, J. A. (Plumber)
Burton, W., Pontefract Rd. (Slater)
Ogley, G. (Mason)
Salmon & Co. (All Trades)
Seacroft & Son (Plasterers)
Straker, A. J. (Mason)
Sykes, J. P. W. (Painter)

CULLINGWORTH, Bradford.
Ackyord, Bros., Halifax Rd. (Plbrs.)
Ellison, H., Main St. (Joiner)
Stubbs, J. H., Main St. (Plumber)

DARFIELD.
Gamwell, H., Bridge Quarry

DARNALL.
Whittingham, T., Station Rd.

DARTON, Barnsley.
Taylor, A.

DEEPCAR, Sheffield.
Brearley, D. (Mason)

DELPH, Oldham.
Winterbottom, P. (Mason)

DENBY DALE, Huddersfield.
Holmes, J.

DENHOLME, Bradford.
Bancroft, A., Main Rd. (Painter)
Moore, C., Station Rd. (Plumber)
Shaw, F., Stradmore Rd. (Plasterer)

DEWSBURY.
Armitage, S., & Sons Bradford Rd. (Joiners)
Auty, J. (R.P.), West Town
Binns, J, Tweedale St. (Plasterer)
Blackburn, H., & Son, 6 Nelson St.
Bray, T., & Son, Wellington Rd. (Painters)
Brear, T., & Son, Sharp St. (Slaters)
Broadbent, J. H., Vulcan Rd. (Plast.)
Clegg, W. H., Webster Hill (Joiner)
Coop, S., & Son, Anroyd (Masons)
Crabtree & Denton, Boothroyd Lane (Masons)
Crossley, J. Junr., Crackenedge (Mason)
Fawcett, G., Battye St. (Slater)
Fawcett, T., & Son, Bond St. (Joiners)
Firth, J., Bunker Hill, Staincliffe (Mason)
Hargreaves, G., Cliffe St. (Slater)
Hodgson, A. & F., Willans Rd. (Plasterers)
Ineson, W., Ashworth Rd. (Painter)
Jackson, B., 56 Wellington Rd. (Ptr.)
Loach, W. W., 33 Willians Rd. (Plumber)
Lockwood, J., Staincliffe (Plasterer)
Newsome, F. (R.P.), Union St.

Yorkshire—*continued.*

Oldroyd, E., Earlsheaton, nr. (Pntr.)
Porritt & Bray, Wellington St. (Pntrs.)
Ramsden, N., Victoria Rd. (Painter)
Richardson, J., Eastboro' (Plstr.)
Richardson, J., & Sons, Staincliffe (and Joiners)
Rodden, W. N., Saville Town (Plbr.)
Scott, G., Earlsheaton, near (Mason)
Scott, J. & A. E., Earlsheaton, nr. (Masons)
Scott, W., & Sons, Leeds Rd. (Msns.)
Shepley, J. (R.P.), Northgate
Smith & Co., 36 Northgate (Painters)
Spedding, T., Chickenley, nr. (Joiner)
Thompson, W. R., Railway St. (Slater)
Thornton, G., Cemetery Rd. (Joiner)
Thornton, J., 18 George St. (Joiner)
Wainwright, R., Earlsheaton, near (Mason)
Whitehead, G., N. Park St. (Mason)

DOBCROSS, Oldham.
Hewkin Bros.
Whitehead, H. A. (Painter)

DONCASTER.
Anelay, W., 18 Silver St.
Arnold & Son, Printing Office St.
Beastall, F., 54 Cemetery Rd.
Beastall, S., & Son, North Union St.
Brewitt, T., 12 Cleveland St.
Burley, W., Whittaker St.
Burton & Jenkinson, 44 Apley Rd.
Carr, A., Victorian Crescent
Cawood, T., Bentley Rd.
Conway, R., Chequer Rd. (Plasterer)
Duckitt, T., 41 Beckett Rd., Wheatley
Fletcher, W., St. Sepulchre Gate
Flowitt, H., Nether Hall
Froggatt, T., 94 St. Sepulchre Gate
Gill, D., & Son, 8 Nether Hall Rd.
Hague, G., Bennitthorpe
Hornsby, H. T., 19 Cleveland St.
Innocent, E., 124 Cleveland St.
Johnson, W., 24 Printing Office St.
Lamb & Patrick, Beechfield Rd.
Liveridge, A., White Bear Yard, Hall Gate
Moate & Sons, Cunningham Rd.
Moate, R., 54 Littlemoor Terrace
Mottram, G., 38 Queen's Rd.
Mullins & Richardson, Shotton St.
Patrick, B. & Sons, 6 Low Rd., Balby
Patrick, G., 10 Chequer Rd.
Roberts, S., East Laith Gate
Salmon, W. H., Morley's Yard, Fisher Gate
Sprakes, C., & Son, 37 E. Laith Gate
Stevenson, G., 2 Shotton St.
Stevenson, E., 2 Shadyside, Hexthorpe
Vaux, H., 35 Cleveland St.
Waddington, A., St. John's Rd., Balby
Waddington, F., St. John's Rd., Balby
Waddington, L., Balby Rd.
Watson, W., 181 Bentinck St.
Wortley, B., 12 Nether Hall Rd.
Wortley, H., Robert's Rd., Balby Bridge
Wombwell, J. C., 117 Bentinck St.

DRIFFIELD.
Bishop, W. R., 43 Middle St. N.
Dry, C. W., 50 Middle St. N. (Bricklyr)
Gage, M., Bridge St. (Bricklayer)
Julian & Son, Queen St. (Joiners)
Leason, A., Middle St., Sth. (Brklr.)
Leason, W., & Son, Middle St. South (Bricklayers)
Naylor, H., North St. (Joiner)
Rudd, T., George St. (Joiner)
Pape, R., & Son, Middle St. South (Stonemasons)
Sellers, D. F. & Co. 90 Middle St. South (Stonemasons)
Shepherdson, G., & Son, Ltd., 46 Middle St.
Thornton, F., George St. (Joiner)

EARBY, Colne.
Cowgill, W. (Mason)

EASTBURN, Keighley.
Atkinson, T. (Mason)

EAST KESWICK, Leeds.
Brelsford, R.

ECCLESFIELD, Sheffield.
Armitage, R., Ecclesfield Common
Calvert, G., Church Lane (Slater)
Pye, T.

ECCLESHILL, Bradford.
Bakes & Overend, Ashfield Place (Joiners)
Close, J., 7 Land's Lane (Joiner)
Hobson, S., & Son, Victoria Rd. (Masons)
Lee, M., Chapel St. (Plasterer)
Norton, T., 6 Stoney Lane (Plumber)
Scott, J. E., Manor Joinery Works
Thornton, T. & A., Norman Lane (Slaters)
Totty, W., & Son, Undercliffe
Wild & Denison

ELLAND.
Crowther, J. E., Portland St. (Joiner)
Gledhill, P., & Sons
Hawkyard, F., 6 Timber St. (Joiner)
Hutchinson, C., Timber St. (Slater)
Mackrill, J. (Ironfounder)
Peel, J. D., Church St. (Plumber)
Readyhough, G. jun., Up. Langdale St. (Mason)
Tattersall, T., & Sons (Ironfounders)
Wilson, J., Britannia Joinery Wks.

ELLOUGHTON, Brough.
Dorsey, J.

ESTON, via Middlesbrough.
Bearcroft, H., Old Eston
Paley, G.
Wilkinson, T., Gladstone St.

FARSLEY, Leeds.
Busfield, W. (Plasterer)
Pearson, E. (Plumber)
Robinson, J. H. (and Joiner)

FEATHERSTONE, Pontefract.
Sutton, A.

FERRIBY, NORTH, near Brough.
Kirby, R.

FEWSTON, Otley.
Patrick, T., & Sons

FILEY.
Barnes, S. E., Belle Vue St. (Plmr.)
Cambridge, G., Scarborough Rd. (Plumber)
Colley, B., Rutland St. (Bricklayer)
Cooper, T., 4 Crescent (Joiner)
Durant & Danby, Hope St. (Painters)
Fenby, T., Scarboro Rd. (Joiner)
Haxby, G., Rutland St. (Joiner)
Hill, C., Alma Sq. (Joiner)
Lindley E. F., Hope St. (Plumber)
Rymer, J. P., Rutland St. (Painter)
Rymer, O., 15 The Crescent (Brcklyr.)
Sawdon Bros., W. Parade (Brcklyrs.)
Willis, H., 16 John St. (Painter)

FIRBECK.
Hodkin, J.

FULFORD, York.
Hopkins, H. (Plumber)
Thorpe, R.

GARGRAVE.
Pickles, T. (Mason)
Roberts, F. (and Joiner)
Varley, J., High St. (Mason)
Ward, G., & Son

GILDERSOME.
Grayshon, J.
Holdsworth, G., & Son

GOLCAR.
Ainley, A., Golcar Edge (Painter)
Armitage, W., James St. (Plasterer)
Crowther, J., Wellhouse (Joiner)
Firth, Bros., Station Ter. (Masons
Garside, J., & Sons, Clay Well
Haigh, A. & T., Town End (Masons)
Haigh, D., & Sons, Wellhouse (Msns.)
Haigh, J., & Sons, Scarr Green (Masons)
Lockwood, W., Townend (Joiner)
Shaw, D., Golcar Hill (Plasterer)
Taylor & Townend, Knowl Rd. (Msns)
Walker, W., Knowl Rd. (Mason)
Whiteley, J., James St. (Drainer)

GOLDTHORPE, near Rotherham.
Fletcher, T. & Son
Hamilton, S. (Joiner)
Leadley & Groves

GOOLE.
Cox, T., 16 Kingston St.
Featherstone, W., Mariner St.
Fletcher, A., Bridge St.
Jackson & Dimberline, Estcourt Ter.
Kelsey, H., & Son, Burlington Cres.
Markham, J., Marshfield Rd.
Walker, J., Victoria St.
Webster, J., Mariner St.

GRANGETOWN, S.O.
Fishwick, W., Whitworth Rd.

GRASSINGTON, Skipton.
Pletts, T.

GREASBOROUGH, Rotherham.
Cooper, A. (Stonemason)
Morley, F. (Joiner)

GREENFIELD, Oldham.
Bourne, J., & Co.
Bradbury, T., Parkfield House
Hewkin J., & Co.

GREENGATES, Bradford.
Elliott. A. (Plumber)
Ingle Bros. (Joiners)
Thornton, N. (Plumber & Painter)

Yorkshire—*continued.*

GREETLAND.
Drinkwater & Schofield (Masons)
Furniss, E., The Edge

GRENOSIDE, Sheffield.
Clithero, M., Hill Top
Dove, T. (Joiner)
Frost, F. (Slater)
Taylor, W. (Mason)

GUISBOROUGH.
Cruddas, E., & Sons
Heckle, W. (and Joiner)
Porteous, J. G.

GUISELEY.
Atkinson, J. J., Wells Rd. (Joiner)
Hobson, J., Victoria Rd. (Mason)
Jackson, R. L., The Green (Painter)
Lee, E., Oxford Rd. (Plumber)
Lockwood, J., Otley Rd. (Plumber)
Mounsey, S., & Sons, Oxford Rd. (Masons)
Robinson, F., Victoria Rd. (Joiner)
Walsh Bros., Cassfield (Plasterer)

HAIGH, Barnsley.
Gordon & Wood (Masons)

HALIFAX.
Akroyd, J. S., Pellon Lane (Plmbr.)
Bancroft, H. & Sons, Hope St. (Jnrs.)
Bancroft, J., & Son, Winding Rd. (Slaters and Plasterers)
Barker, F. D., King Cross (Joiner)
Barker, H., Pellon Lane (Plumber)
Barrett, S., & Sons, 6 Mount Pellon (Plasterers and Slaters)
Bentley, T., & Sons, Parkinson Lane (Masons)
Berry, J., Bank Fndry. (Ironfounder)
Binns, J., & Sons, 19 Commercial St. (Painters and Decorators)
Bolton, Bros., (R.P.), 66 Gibbet St.
Boocock, T., Market St (Plbr. & Glazr.)
Carr, T., 55 New Crown St. (Painter)
Charnock, J., & Sons Ltd., Pellon Lane (Masons, Carpenters and Joiners)
Collins, J., Regent St. (Slater, &c.)
Crabtree, G., Lister Lane (Joiner)
Crossley & Radcliffe, 19 Birks Hall Terrace
Dilworth, H., Akeds Rd. (Mason)
Earnshaw, S., 7 Ferguson St. (Joiner)
Fawley, G., & Son, (R.P.), 3 Savile Park St. (and Glaziers)
Fawthrop & Son, 65 Haley Hill (Plumbers)
Fielding & Bottomley, S. Parade (Jnrs)
Firth, A., Hyde Park Rd. (Slater, &c.)
Firth, I., & Sons, Booth Town (Masons)
Gaines, W., & Sons, 6 Stannary St. (Joiners)
Gaines, W. H., Hanson Lane (Joiner)
Greenwood, F., & Son, Gibraltar (and Joiners)
Greenwood, G., & Sons, New Brunswick St. (Concreters)
Greenwood, S., Booth Town (Joiner)
Greenwood, W., & Sons, 250 Pellon Lane (Masons)
Hargreaves, E., & Co., Water Lane (Ironfounders)
Hirst, S., 34 Haley Hill (Joiner)
Holdsworth, J., Corporation St. (Plumber and Glazier)
Holstead, A., & Son, W. Parade (Jnrs).
Jenkinson, H., & Sons, 360 Queen's Rd. (Masons)
Longbottom, G. W., & Son, 19 Lord St. (Painters & Decorators)
Lumb Bros., 7 Warley Rd., King Cross (Slaters.)
Milligan, W., & Sons, 2 Hanson Lane (Painters & Decorators)
Mitchell, T., Warley Town (Mason)
Moore, F., & Son, Claremount (Jnrs.)
Moss Bros., Commercial St. (Pntrs.)
Naylor, E., & Son, 150 Hopwood Lane (Masons, &c.)
Naylor, H., Park Dene (Mason)
Naylor, J., & Son, Cheapside (Plbrs.)
Nettleship, J. H., 2 Boyne St (Plbr.)
Norvell, C. J., Bedford St. (Joiner)
Pollard, J. H., Carlton St. (Plbr.)
Ratcliffe, W., & Sons, Claremount (& Joiners)
Raynor, G., Free School Lane (Msn.)
Riley, B., Lewis St. (Mason)
Roberts, J., Bell Hall (& Joiner)
Robinson, C., & Sons, 136 Gibbet St. (Masons and Bricklayers)
Rushworth & Firth, New Bank (Slaters and Plasterers)
Simpsons, T. & Sons, Silver St. (Ptrs.)
Spencer, J., & Sons, Haley Hill (Pntrs.)
Stafford, R. P. (R.P.), 11 King Cross
Summerscales, T. L., 98 Parkinson Lane (Plumber & Glazier)
Sutcliffe, S., Queen's Rd. (Joiner)
Taylor & Ingham, King Cross St., (Painters)
Thompson, J., King Cross (Joiner)
Thompson, S. S., Lister Lane (Plbr.)
Wadsworth, S., & Sons, 17 Carlton St. (and Joiners)
Ward, W. (R.P.), 5 Victoria St., E.
Whatmough, J., Eldroth St., King Cross (Mason)
Wilson, T., & Sons, King Cross (Painters)

HALTON, Leeds.
Briggs, G. L., High St. (Bricklayer)

HANGING HEATON, Dewsbury.
Day, A. (Joiner)
Elliott, G. (Joiner)
Summerscales, F. (Plumber)

HARROGATE.
Abbott, H., Walker Rd.
Airton, R., 104 West End Av. (Mason)
Allen, C. (R.P.), Raglan St.
Allen, J. & Son, Mornington Ter., Dragon Parade (& Joiner)
Annakin, R., 7 Dragon Avenue
Armitage, E., College Rd. (Painter)
Barker, W., Westminster Ter. (Joiner)
Baynes, J. & W., Station Par. (Sltrs.)
Bellerby, W. (R.P.), Robert St.
Bielby, R., Station Parade
Birkinshaw, W. R., Leadhall Lane
Braithwaite, H. & Co., Commercial St. (Plumbers)
Broadbank & Sons, Chapel St. (Ptrs.)
Brown & Stables, Craven St. (Joiner)
Carrick, G. H., New Park (Joiner)
Carrick, L., 6 Cheltenham Rd. (Msn.)
Cartman, W. H. (R.P.), Cheltenham Mount
Casey, P., Mount Parade (Painter)
Checkley, J., 30 Robert St. (Joiner)
Clapham & Taylor, Mowbray Sq. (Jnrs)
Croft, R., Commercial St. (Plbr.)
Dawson, H., 61 Dragon Av.
Dickenson, I., 9 Grove Rd. (Mason)
Dickinson & Metcalfe, Hookstone Rd.
Duxbury, G., 12 Cheltenham Parade (Painter)
Fawcett, A., 70 Mayfield Gr. (Plstr.)
Fortune & Calverley, 9 Dragon Rd. (Plasterers)
Foster, C., Prospect Place (Plumber)
Foster, R., 20 Mayfield Grove
Gray, A., 38 Unity Grove
Greetham, W., Franklin Rd. (Plbr.)
Harvey, F., 6 Cornwall Rd. (Joiner)
Holmes, H. A., St. James' Park Estate (Joiner)
Horner, J. H., Devonshire Pl. (Jnr.)
Ingleby, A. & W., Follifoot, near
Jackson, W., & Sons, Dragon Parade
Jessop & Cosgrove, York Place, Robert St. (Painters)
Johns, J., Regent Parade (Plumber)
Kershaw & Hill, Bilton
King, J., Chatsworth Place (Joiner)
Knowles, A., & Son, Chapel St. (Painters)
Laycock, W., & Sons, Bilton Lane (Plasterers)
Lawn & Toas, Devonshire Place (Painters)
Ledger, R., Strawberry Dale Av. (Jnr.)
Light, J., Tower St. (Plumber)
Linskill, T., Regent Saw Mills
Lythe & Clarkson, Back Cheltenham Mount (Painters)
Mansley, J. & Sons, High Level Works (Joiners)
Nettleton, C. A., Balmoral House, Bilton (Mason)
Nodding & Sons, Walker Rd. (Pntrs.)
Norman, W., Mount St. (Painter)
Parker Bros., 13 Water Lane (Masons & Joiners)
Petty, J. R., Dragon Avenue (Pntr.)
Pickard, H. W., 127 Valley Drive (Painter)
Rayner, T., 41 Franklin Rd. (Slater)
Richmond, W., Mayfield Grove (Plmr.)
Rudd, J. W., Skipton Rd. (Joiner)
Scholes, C., Eldon House (Plumber)
Shepherd, J., 1 Dragon Av. (Slater)
Siddall, J., 178 Parkinson Lane (Plumber)
Simms, J. W., Westmoreland St. (Ptr.)
Simpson, D., Clarence Drive
Simpson, J., & Sons, Albany Villas
Smith, A. F., 2, Harlow Yard (Joiner)
Stott & Alcock, Dragon Rd. (Jnrs.)
Thompson, G., Oatlands (Plumber)
Thornton, T., Nydd Vale Ter. (Msn).
Tomlinson, J., 6 Regent Parade (Plstr)
Topham Bros., Chapel St. (Painters)
Topham, W., 44 Walker Rd. (Joiner)
Tyson, J., Wedderburn Rd. (Plstr)
Wilcock, W., Church Sq. (Joiner)
Wood, C., Robert St. (Painter)
Wray, R., East Parade (Mason)

Yorkshire—*continued.*

Wray, W., East Park Rd.
Wright, E., Crab Lane (Slater)

HAWORTH, Keighley.

Bottomley & Sunderland
Lambert, B. (Plumber)
Lambert, T., & Son (Plumbers)
Ratcliffe, R.
Wood & Thornton (Joiners)

HEBDEN BRIDGE.

Boocock, J., Commercial St. (Plbr.)
Greenwood, R., Hanging Royd (Jnrs)
Greenwood, G. H., & Co. (Joiners)
Greenwood, W., Market St. (Mason)
Haigh, J., Commercial St. (Joiner)
Lord, J., Bridge Gate (Slater & Plstr.)
Mortimer, A., & Sons (Masons)
Sutcliffe, F., Market St. (Slater & Plstr)
Taylor, S., 87 Market St. (Plumber)
Tucker, T., Market St. (Slater)
Uttley, T., Bridge Gate
Watson, O., Market St. (Mason)
Whitham, T., Heptonstall (Slater)
Wrigley & Sons, New Rd. (Slaters)

HECKMONDWIKE.

Allatt, J. B., Jeremy Lane (Mason)
Appleyard, C., Darley St. (Joiner)
Archer, F. (R.P.), High St.
Blackburn, B., Cemetery Rd. (Msn).
Cookson, H., & Son, Union Rd (Plstr).
Dewhurst, T., Albion St. (Painter)
Gledhill, J. (R.P.), Greenside
Greenwood, J. B., High St. (Plastr.)
Mann, G., Battye St. (and Joiner)
Milnes, W. & T., Beck Lane Saw Mills (Joiners)
Oldroyd, W. & H., Beck La. (Msns.)
Parker, W. & Sons, High St. (Plstrs)
Preston, G., 5, Eldon St. (Mason)
Spivy, H., Flush (Joiners)
Thornton, J. M. & Sons, Staincliffe Rd. (Slaters)
Walker, E. (R.P.), & Co., High St.

HEDON, Hull.

Curtis, W.
Fewlass, W. (Mason)
Heron, J. (Bricklayer)
Rennardson, R. (Joiner)

HELMSLEY.

Todd, J. E.

HESSLE.

Barron, C., Eastgate (Joiner)
Brown, J. F. (Mason)
Bullock, C., Northgate (Bricklayer)
Frost, E. (Bricklayer)
Haselhurst, R. (Painter)
Parkinson, W. (all trades)

HICKLETON, Doncaster.

Chapman, T. (Joiner)

HILLSBRO', Sheffield.

Fox, C., 15 Rose St.
Longden, J.

HIPPERHOLME.

Booth, J., Whitehall (Carpenter, &c.)
Drake & Kay (Painters)
Constantine, T. (Joiner)
Lister & Son (Plasterers and Slaters)
Marshall, J. (Slater and Plasterer)
Mitchell, S., Springfield (Mason)
Smith, W., South Edge Ter. (Mason)
Ward, W. (Plumber)
Wilkinson, S. (Mason)

HOLMFIRTH.

Bainbridge, G., Newtown (Plumber)
Booth, R., Upper Bridge (Joiner)
Bottomley, J. (Plasterer)
Brown & Shaw, Dunford Rd. (Joiners)
England, E., & Sons, Station Rd. (Masons)
Haigh Bros. (Plasterers)
Haigh, J., Hallowgate (Joiner)
Hinchliffe, D., & Co., New Town (Painters)
Lawton & Hogley, Town Gate (Ptrs.)
Marsden, F., & Sons, Mount Pleasant (Masons)
Milner, J. E., Town Gate
Quarmby, G., & Son, 16 Huddersfield Rd. (Painters)
Shaw, J., Son & Co., Huddersfield Rd. (and Joiners)
Thorpe, E., Town Gate (Plumber)
Tolson, J., Upper Bridge (Plumber)
Turner, J., Dunford Rd.
Turner, R., Hey Gap (Mason)

HONLEY, Huddersfield.

Holdroyd, E., & Sons
Jenkinson, J.
Jenkinson, R.
Noble, A. & J.

HORBURY.

Ackroyd, W. F., Jenkin Rd. (Joiner)
Armitage, J., Queen St. (Pntr., &c.)
Braine, J., New Rd. (Joiner)
Dyson, J., Park St. (Joiner)
Fallas, H., High St.
Goldthorpe, J., High St. (Joiner)
Hancock, J., Victoria St. (Painter)
Schofield, E., Tithe Barn St. (Plmbr.)
Sheard, J., Horbury Bridge (Joiner)
Thickett, W., Ossett Rd. (Joiner)
Wainwright, H., Park St. (Mason)

HORNSEA, near Hull.

Barr, H. & W. K., Eastgate
Grantham, G., Southgate (Brklyr.)
Pickering, J. O., Eastgate
Stephenson, W. B., & Sons, Newbegin

HORSFORTH, Leeds.

Dibb, W. (Mason)
Horner & Maud, Long Row (Msns.)
Lawrence, T. (Mason)
Leman, J. (Plasterer)
Walker, M., Sandhurst Ter.
Walker, N., The Green (Joiner)
Whittaker B., Junr.

HOWDEN.

Andrew, T., Market Pl. (Plumber)
Hill, H., Hailgate
Smith Bros., Hailgate
Thompson, H., & Co., Hailgate

HOYLAND, near Barnsley.

Firth, C., & Sons, King St. (Plumbers)
Hague, M. A. (Mason)
Hague, T. P., 280, King St. (Mason)
McPartlain, J., George St. (Plastr.)
Rawlin, W. H., King St. (Plumber)

HOYLAND COMMON, nr. Barnsley.

Brearley, H., Princess St. (Joiner)
Cook, G., Stead Lane (Joiner)
Corbett, F., Chapel St. (Mason)
Hemingway, A. (Mason)

HUDDERSFIELD.

Armitage, T., (R.P.), Buxton Rd.
Astley, A., Glebe Pl., Marsh (Joiner)
Broadbent Bros., Moldgreen (Plasterers & Slaters)
Broadbent, T. W., E. Parade (Electn.)
Brook, M., Leeds Rd. (Mason)
Brooke, J. B., West Parade (Joiner)
Brown & Thomas, Spring St. (Pntrs.)
Buckley & Co., Greenhead Rd. (Jnrs.)
Cooke, J., Little Royd (Concreter)
Crossley & Bould (R.P.s), 5 Union Bank Yard, New St.
Crowther, A., Ltd., John William St. (Plumbers)
Crowther & Wilkinson, Marsh (Jnrs.)
Dawson & Jones, Moldgreen (Joiners)
Dyson, J. E., Lindley (Concreter)
Evans, W. B., 20 W. Parade (Pntr.)
France, W., Honley (Plumber, &c.)
Garton, G. (R.P.), & Son, Market Pl.
Gledhill, W., Lockwood (Mason)
Graham, A., & Sons, Longroyd Bdge.
Graham, B., & Sons, Folly Hall
Graham & Jessop, Moldgreen
Hale, S., New St. (Plmbr. & Glazier)
Hall, H., King St. (Painter)
Hampshire & Armitage, Northumberland St. (Joiners)
Heywood, W. H., & Co., Bay Hall (Glazing and Roofing Engineers)
Hirst, B., & Sons, Spring St. (Joiners)
Holland, H., New North Rd. (Joiner)
Hollingsworth, H., & Sons, Moldgreen
Holroyd, W. & P., High St. (Pntrs.)
Jackson, A., 8 Church St. (Painter)
Jowitt, W. E., John William St. (Plasterer and Slater)
Kaye Bros., Crosland Moor (Roads & Sewers)
Kendall, S., 6 Bryam St. (Painter)
Knight, W. E., Bath Bldgs. (Painter)
Light, D., Leeds Rd. (Joiner)
Littlewood, W., & Son, Berry Brow (Plasterers and Painters)
Longbottom, T., & Sons, Lockwood Rd. (Plasterers and Slaters)
Lunn & Cardno, High St. (Decorators)
Maffin, F., & Co., Alfred St.
Mallinson, W., & Sons, Lockwood (Masons)
Marsden, J. (R.P.), Market Place
Milnes, J., Commercial St. (Plasterer)
Milnes & Garside, West Parade (Plumbers)
Moody Bros., Albion St. (Joiners, &c.)
North, A., Fleece Inn Yard (Plumbr.)
Preston, J., & Sons, Albion St. (Ptrs.)
Radcliffe, J., & Sons, St. John's Rd. (Masons)
Robinson, J., & Son, Cleveland Rd., Marsh (Plasterers)
Roebuck, H., Newsome
Roebuck, J., Firth St. (Plumber)
Royston, J., & Sons, Luck Lane, Marsh (Masons)
Sanderson Bros., Lockwood Rd., (Plumbers)
Schofield, A., Dalton (and Mason)
Shaw, J., Albert Brass Works, Lockwood (Plumber)

Yorkshire—*continued.*

Stead, L., & Son, Hillhouse Rd. (Msns.)
Stead & Kaye, 2 Viaduct St. (Masons)
Stocks & Sons, Berry Row (Masons)
Stuttard, J., Ramsden St. (Painter)
Sunderland, J., & Sons, Lockwood (and Joiners)
Sykes, J. W., & Sons, Rashcliffe
Taylor, D., & Sons, Lockwood (Plumbers)
Taylor, J. H., & Co., 17A and 19A Macaulay St. (Plumbers)
Tunnacliffe, D., & Son, Fitzwilliam St. East (Plasterers and Slaters)
Tunnacliffe, T. B., W. Parade (Sltr.)
Waring, W., & Sons, 25 Bow St.
Whitaker & Lumb, Mount Longwood (Road & Sewer)
Wilby & Jessop, Waterloo (Joiners)
Wood Bros., Queen St. South

HULL.

Abba, A., Londesborough Rd. (Plbr.)
Abba, F., Charlotte St. (Plumber)
Arnold, G., 76, Alicia St. (Bricklyr.)
Arnott, H. T., 17 Walker St. (Bricklyr)
Atkinson & Son, 22 Anlaby Rd. (Plmbrs.)
Bailey, T. W. Bailey St. (Painter)
Beall, J. (R.P.), 61 Holderness Rd.
Beal, W. H., Sharp St.
Beilby, F., 279 St. George's Rd. (Bricklayer)
Berridge, G. W., 64 Holderness Rd. (Joiner)
Bilton, F., Gordon Villa, Welbeck St. (Bricklayer)
Bilton, J., Albany St. (Joiner
Blackburn, G., Margaret St.
Boodie, T. F., 12 Jalland St. (Joiner)
Bowman & Sons, 70 De Grey St. (all trades)
Bray, C, 134 Clarendon St. Sth. (Jnr.)
Brunton, A., & Sons, Queen's Dock Side
Caley, J. T., Percy St. (Joiner)
Carr, J., 59, Chomley St. (Bricklayer)
Chapman, T. J., Blenheim St. (Sltr.)
Christie Patent Stone Co., Ltd., Bishop St. (Masons)
Crane, C., 38 Spring St. (Painter)
Dalton, W., 9 Portland Pl. (Joiner)
Darling, H., & Co., Chariot St. (Ptrs.)
Darneley, A. J., & Son, 68 Spring St. (Joiners)
Dawber, Townsley & Co., Ltd., Trippett (Slaters)
Drewery, H., Rugby St., Hessle Rd. (Mason)
Dreyer & Co., Anlaby Rd. (Painters)
Drury, B., 17 Wassand St. (Joiner)
Evington, C., Barmston St. (Brklyr.)
Fenwick, J. H., 180, Albert Avenue
Finch, R., & Co., Trippett St. (Jnrs.)
Folkard, W., & Son, 83 Spring Bank (Slaters)
Fussey, R., 29, Witham (Mason)
Garton, M., 105 Day St. (Joiner)
Goates, T., Brunswick Av. (Brklyr.)
Good, E., & Sons, Ltd., Alpha Works, Main St. (all trades)
Grantham, W., 14 Cambridge St. (Bricklayer)
Grasby, W., Anlaby Rd. (Plumber)
Grindell, J., Mason St. (Bricklayer)
Hall, F., 45 Alexandra Rd. (Brklyr.)
Hancock, J., 38 Waterloo St. (Joiner)
Harbron, G., Spring Bank (Painter)
Harman & Langton, Brazil St. (Pile Drivers)
Harper, M., 41 Brunswick Avenue (Bricklayer)
Harrison, W. L., 30 George St. (Plbr.)
Hebblewhite & Wilson, 38 Sutton St. (Joiners)
Higgins, A., 65 Clifton St., Brunswick Avenue (Brick & Tile Layer)
Hill & Stephenson, 4 Chestnut Av. (Bricklayers)
Hockney & Liggins, Witham (Bricklayers and Joiners)
Hodgson, W. (R.P.), 91 Spring St.
Houghton, T., 42 Norfolk St.
Houlton, G. & Sons, 6 Baker St. (Bricklayers)
Houlton, J., & Son, Ltd., Reform St. (Joiners)
Jackson, G., & Sons, 36 Witham (Bricklayers, Masons, & Joiners)
Johnson, S., 1 Blundell St. (Joiner)
Johnson, W., Cleveland St. (Joiner)
Kaye, H., Linnæus St.
Kelsey, C., 26 Pryme St.
Kemp, J., Walmsley St. (Bricklayer)
Kenningham, R. H. (R.P.), 91 Beverley Rd.
Kennington, G., 1 Brazil St. (Joiner)
Kennington, J. H., 17 Wellington Lane (Bricklayer)
King, I., 32 Todman St. (Plumber)
Knowles, V., Blanket Row (Joiner)
Lackenby, & Co., 85 Anlaby Rd. (Shopfitters)
Lawton, W., Lee Smith St. (Joiner)
Leake, A., Spring Bank, W. (Mason)
Leake, G., Anlaby Rd. (Masons)
Lenham, T., John St. (Bricklayer)
Levitt, J. T., 84, Holderness Rd. (Bricklayer)
Lison, W., & Son, 43 Portland Place (Joiners)
Lusher, G., 187 Newland Av.
McLeod, W., 17 Midland St. (Joiner
Marsden & Son, Walton St. (Joiners)
Medforth, G., 39 Silvester St. (Joiner)
Metcalfe, R., 7 Pendrill St. (Plastr).
Morrell & Sons, 2 Lansdowne St. (Bricklayers)
Neal, H., 64 Lambert St. (Joiner)
Nicholson, B., Queen's Rd. (Brcklr.)
Noble, C., 3 The Avenue, Linnæus St., Anlaby Rd. (Mason)
Norman, W., 81 Durham St. (Joiner
Ounsworth, J., Abbey St., Holderness Rd. (Mason)
Padgett, W. G. (R.P.), 89 Great Thornton St.
Panton, G. H., 206 Anlaby Rd. (Bricklayer and Mason)
Parkinson, W., Hessle
Peers, J., 144 Beverley Rd. (Mason)
Pinder, F., Cumberland St. (Bricklyr.)
Quibell, Son & Greenwood, 40 Fountain Rd. (Bricklayers and Masons)
Railton, J. E., 5 Walmsley St. (Jnr.)
Richardson, R., 5 Thomas St., Drypool (Bricklayer)
Robinson, D., Freehold St. (Brcklyr.
Rowland, W., Cambridge St. (Bklyr.)
Russell, W., 25 Grove St. (Plasterer)
Sanderson & Goodall, 4½ Selby St. (Joiners)
Sanderson, W., 17 Temple St., Stepney (Joiner)
Sangwin, J., Northumberland Avenue (Bricklayer)
Sawyer, A., 30 Elm St., Queen's Rd.
Saynor, D., Ivy Villas, Dairy Contes (Joiner)
Scorrer, G. H., Lake St., (Joiner)
Scott, G. L., 86 Church St., Drypool (Joiners)
Simpson & Sons, 71 Woodcock St. (Joiners)
Simpson J., & Son, 3 Castle St. (Ptrs.)
Singleton, F., Blenkin St., Witham (Joiner)
Smith & Hunter, 11 Ocean Pl., Carr Lane (Slaters)
Smith, J. W., Convent Lane (Joiner)
Southern, F., 17 & 18 Wright St.
Stephenson & Christopher, 42½ Pryme St. (Painters)
Stephenson, G. W., Ardwick St. (Jnr.)
Swale, R., Hessle Rd. (Plumber)
Sweeting, F., Beverley Rd. (Mason)
Taylor & Son, Caroline St.
Templeton, J., Holderness Rd. (Bklyr)
Torr, J. Y., & Sons, 12 Anlaby Rd. (Painters)
Train, J. E. (Exors. of), 139 Wincolmlee
Turner, W., Northumberland Av.
Vickerman, W., 3 Cottage Row, Anlaby Road (Joiner)
Vokes, H., 51 Pulman St. (Bricklayer)
Webb, W., 45 Spring Bank
Wharram, W., 113 Waterloo St. (Bricklayer)
Wilde, T., & Son, Vernon St., Queen's Dock Side (Slaters)
Williamson, H. & Co., Ltd, Queen's Dock Side
Wilson, E. W., Botanic Station, Spring Bank (Mason)
Wilson, J., 84 Peel St. (Joiner)
Winch, J., Spring Bank (Painter)
Windlass, T. W., Hessle Rd. (Joiner)
Woodcock & Sons, Wenlock St. (Slaters)
Woodcock, C., 82, Goodwin St. (Slater)
Woods, J. R., 96 Witham (Bricklyr.)
Wray, F., 26 Nornabell St. (Joiner)
Wriglesworth, J. W., 60 Bean St. (Mason)

HUNMANBY, S.O.

Campbell, F., Muston

IDLE.

Barker & Illingworth, Albion Rd.
Higginbotham, A., & Sons (R.P.s) Albion Rd.
Hollings, F., The Green (Plasterer)
Murgatroyd, G., & Sons
North, W., 11 Apperley Rd. (Mason)
Obank, T., & Sons, Thackley
Rundle, J. R., Town Lane (Plumber)
Thomas, H. & A., Thackley Rd. (Jrs.)

Yorkshire—*continued.*

Thornton, J., & Son, Leeds Rd. (Msns.)
Walker, E. W., Woodhead, Thackley
Whitfield, E., Thackley (Mason)

ILKLEY.

Boden, J. G., Brook House (Painter)
Bramley, A., Leeds Rd., (Painter)
Cowling, W., Station Rd. (Joiner)
Dean Bros., Leeds Rd. (Masons)
Eagle & Mawson, Nelson Rd. (Joiners)
Featherstone, D., Wells Walk (Msn.)
Graham, S., Brewery Row (Joiner)
Hampshire, G. W., Leeds Rd. (Pnr.)
Houldsworth, J., Cunliffe Rd. (Pbr.)
Hudson, W., Station Rd. (Painter)
Lawson, J., Brook St. (Plumber)
Learoyd, L. T., Church St. (all trades)
Lister, O., Poplar Grove (Plasterer)
Nelson Bros., Wharfe View (Slater)
Pease, H. W., & Co., Regent Rd. (Masons & Joiners)
Richardson, R., Alexandra Crescent (Plasterer)
Smith, G., Skipton Rd. (Mason)
Smith, T., Skipton Rd. (Joiner)
Waugh, A., & Sons, Wharfe View Terrace (Masons)

INGLETON, Kirkby Lonsdale.

Newsholme & Winder

INGROW, Keighley.

Boot, J.
Clark, W. H.
Fortune, A., Worth Valley (Joiner)
Foster, S., St. John's Works (Joiner)
Wharton, J., Staveley Rd. (Joiner)

KEIGHLEY.

Binns, R., & Son, Heber St. (Joiners)
Booth, M.
Bottomley, R., Sand St. (Mason)
Bottomley, W., Bow St. (Plumber)
Butler, W., North St. (Painter)
Dixon, W., Bar Lane (Mason)
Driver, J., & Son, Goulbourne St. (Joiners)
Emmott, H., & Co., 35 Holker St. (Plasterers
Emmott, J., Lawkholme Lane (Pntr.)
Foulger (G. M.), Sons, & Co., Alice St. (Joiners)
Gill, J., Low Bridge (Ironfounder)
Greenhow & Murgatroyd, Townfield Works, Lawkholme Lane (Joiners)
Harrison, J., New Bridge St. (Plbr.)
Harrison, J. S., Dalton Lane (Plbr.)
Harrison, W. & J. (R.P.s), South St.
Harrison, T., Compton Bldgs. (Pntr.)
Hartley, J., Dalton Lane (Joiner)
Heap, T., Alice St. (Joiner)
Hird Bros. & Co., King St. (Joiners)
Holmes, R., Park Lane (Joiner)
Judson & Steel, Apsley St. (Joiners)
King, J., Russell St. (Plasterer)
Lonsdale, R., & Sons, Sun St. (Paintrs)
Midgley, H., Cavendish St. (Plmbr.)
Moore, T., Alice St. (Mason)
Morley, W., & Son, Devonshire St. (Masons)
Nelson, T. & Son (Slaters)
Park & Lodge, Bridge St. (Plumbers)
Pearson, J., Marlboro' St. (Mason)
Petty, F., Lawkholme Cres. (Painter)
Petty, R., 46 Church St. (Painter)
Robinson, H. V., Ltd., Lawkholme Lane (Masons)
Sawley, A., 5 Pheasant St. (Plasterer)
Sugden, T. E., Bradford Rd. (Mason)
Sunderland, M., Mannville Rd. (Msn.)
Tatham, A., Cavendish St. (Decor.)
Thornton W., Bradford St. (Slater)
Tillotson & Harrison, High St. (Ptrs.)
Tomlimson, R., Russell St. (Joiner and Mason)
Turner, E., Bradford St. (Mason)
Waddington Bros., Bradford St.
Wallace, W., Queen's St. (Plumber)
Waterhouse, F., Dreweryrd. (Mason)
Wilkinson. J., Bow St. (Joiner)
Wilson Bros., Oakworth Rd. (Plstrs.)
Woodfine, T., North St. (Plumber

KETTLEWELL.

Calvert, F. (Mason)
Raw J. & Son (Joiners

KILDWICK.

Tillotson, J.

KIPPAX, Leeds.

Green, W., High St.

KIRKBURTON, Huddersfield.

Moorhouse, W. (Mason)

KIRKBY MALHAM, Skipton.

Padgett, A. M., Main St. (Joiner)

KIRKBY-MALZEARD, Ripon.

Dawson, H. (Mason & Bricklayer)
Richmond, T. (Joiner)

KNAPTON, York.

Braithwaite, J. (Bricklayer)

KNARESBOROUGH.

Baynes, J., High St. (Slater)
Benson, C. (R.P.), Finkle St.
Brazier, J., Windsor Lane
Cassell, W., Cistern Hill (Slater)
Cleman, M., High St. (Plasterer)
Kitchen, D., & Son, High St. (Jnrs.)
Naden, J., Raw Gap
Sewell, J., York Place (Joiner)
Swales, J., Finkle St. (Joiner)

LEEDS.

Airey, W. & Son (all trades) Servia Rd., Camp Rd.
Ambler, O., Wellington Rd., New Wortley (Plumber)
Appleby, H., Park Lane
Armitage & Hodgson, Camp Rd.
Armitage, F. L., Roundhay (Plmbr.)
Atkinson & Sons, Carlton Hill (all trades)
Atkinson, J., & Son, Whitehall Rd. (Slaters)
Barrand, T., 43 Meanwood St. (Plumber)
Barrand, W. (R.P.), & Co., 125 Woodhouse Lane
Bateman, A., Columba St. (Painter)
Beaumont, B., Spence Lane, New Wortley (Painter)
Benton, T., Skinner Lane (Joiner)
Binns, J., 1 Victoria Rd.
Bloomfield, W., & Son, Croton St., Armley
Bond, F., 43 Grace St. (R.P. & Glzr.)
Braithwaite, A., St. James' St. (Joiner)
Braithwaite, H., & Co., Swinegate (Plumbers)
Bridge, H. J., Coboury St.
Briggs, E., Park Cross St. (Marble Mason)
Briggs, W., Hill Top Mount (Plmbr.)
Brown, W., & Son, 11 St. Mary's Lane, Quarry Hill
Butler, J., 28 Mill St. (Painter)
Clarke, T. & Son, Fenton St. (Jnr.)
Craven & Umpleby, Hartley Hill
Curtis, J., & Son, Ld., Oxford Row (Shopfitters)
Dearden Bros., 52 Chapeltown Rd. (Painters)
Dews, W. H., & Co., 8 Skinner Lane
Dixon, S., & Son, Boar Lane (Electrical & Hot Water Engrs.)
Dobson, J., Carey St., Hunslet (Plst.)
Dougill, A., & Co., Ltd., 36 Great George St. (Plumbers)
Eddison Bros., Kirkstall (Joiners)
Edwards, J., Markham Av., Shepherds Lane (Tiler)
Ellison Bros., Amberley Rd., Armley
Farrall, F., Star Works, Wortley
Fenton, C., Camden Ter., Woodhouse Lane (Painter)
Frankland, J. W., Great George St. (Tiler)
Franklin, W. E., Hyde Park Corner (Plumber)
Fullarton, J. A., Ash Rd., Hedgingly (Joiner)
Gould, I., Ltd., Hartshed Works, Hillidge Rd., Hunslet (all trades)
Gozzard, T., Stanley Rd.
Grant, J., Up. Wortley Rd. (Pntr.)
Grayson, W., 22 Cemetery Pl. (Painter)
Greenwood Bros., Green's Court, 67 Briggate (Painters)
Haigh, J., Back Portland Crescent (Whitesmith, Bellhanger, etc.)
Hall, D., St. Ann's St. (Shopfitter)
Hannam, T., 9 Raglan Rd., Woodhouse
Harpham, L., 179 Burley Rd.
Harrod, T., Craven Rd. (Joiner)
Hind, A., Roundhay Rd. (Plumber)
Horsman, J., Up. Mead Row (Carptr.)
Horsman, T., & Co., Ltd., Mark Lane (Joiners & Shopfitters)
Hoyle, A., Burley Village (Painter)
Hoyle, J. (R.P.), Town End, Wortley
Hummerston, J., Cookridge St. (Decorator)
Irwin, W., & Co., 2 Burley Rd. (all trades)
Jackson, F., & Co., 17 Park Row (Painters & Decorators)
Jackson, C. E., Carlton Hill
Jackson, H., Westfield Rd. (Plumber)
Jackson, J., Hyde Pk. Cor. (Plumber)
Jenkins, Tollerton & Co., 32 Merrion St. (Decorators)
Jones, W. H., & Co., 10 Leighton Lane
Judd & James, Joseph St., Hunslet
Knapton, A., Upper Wortley St.
Knighton, R., Marsh Lane (Bricklr.)
Lazenby Bros., Willow Ter. Rd. (Jrs.)
Ledgard, J., & Son, Ventnor St. (Joiners)
Lindley, H. (R.P.), 18 Neville St.

Yorkshire—*continued.*

Lindley, J. & Son (R.P.), 22 Gt. Wilson St.
Lolley, W., Harehills Lane
Lucas, C., & Son, Burley Rd.
McFarlane, S., Cookridge St. (Concreter)
Marsh, Jones, Cribb & Co., Boar Lane (Decorators)
Mason, G., Wellington Rd., New Wortley (Painter)
Mason, W., & Son, 150 Woodhouse Lane (Joiners)
Mawson, B., Manor St. (Joiner)
Milthorpe & Hodgson, Harehills Rd. (Stonemasons)
Moore, T., 5 Concord St. (Plasterer)
Mountain, P., & Son, 47 St. Paul's St. (Plasterers)
Myers, C., & Sons, Woodhouse St.
Nettleton & Son, Roundhay
Nettleton, W., Tenter Lane (Joiner)

W. NICHOLSON & SON,
BUILDERS & CONTRACTORS,
Stone Saw Mills, 9 South Brook St.
TIMBER SAW MILLS,
Crown Point Road, LEEDS.
Contractors to the Midland Rly. Co.
" " G. N. Rly. Co.
" " N. E. Rly. Co.
" " L. & N. W. R. Co.
" " L. & Y. Rly. Co.
Works executed include—
The Yorkshire Penny Bank, Leeds, £50,000; The York, City and County Bank, Leeds, £12,000; The London and Midland Bank, Leeds, £5,000; Beckett's Bank, Goole, £13,000; Engine Sheds for the M. R. Co., Stourton, £20,000; Restoration of Newby Hall for R. C. Vyner, Esq., £11,000; Empire Theatre (part); Ossett Street and Bridge, G. N. R. Co., £16,000; Restoration of Messrs. Fowler and Co.'s Works after Fire, in 6 Weeks, £5,000; Trestle Bridge for the M.R. Co., temporarily after Fire, in 5½ Days, £3,600; Leeds Electric Light Works, £5,000; N. E. Extension, Leeds, £33,000; Lotherton Hall, £7,000; M. R. Co.'s Extension Hotel, £20,000; M. R. Co.'s Extension, Holbeck, £4,000; Buck Inn Syndicate, £8,000; Westminster Fire Office, £10,000; Leeds Public Baths, £8,000; Shannon & Son, Extension of Clothing Factory, Walsall, £10,000.
Also many other Contracts in various parts of the Country. We can supply photos if necessary.
Extension to Griffin Hotel, Leeds, for Arthur Fenwick, Esq., £15,200; Residence on Esplanade, Scarboro', for Colonel F. W. Tannett Walker, £9,000; Royal Arcade, Shops, and Tea Room, for the Leeds Estate Co., £73,700; and Home for Incurables Harrogate, £6,900; Storthes Hall Asylum (part), £50,000; Leeds Estates Café, £13,000; Stores at Willesden for Messrs. Whitbread & Co., £30,000; Extension to Lotherton Hall for Lieut.-Col. Gascoigne, D.S.O., £10,000.

Oakes, G., & Son, Anchor St. Hunslet
Pashley, J., & Son, Bruce St., New Wortley
Pearson, J. E., 21 Regent Terrace, Burley Fields (Joiner)
Pennington, W., & Sons, Melville Rd., Woodhouse (Plasterers)
Pickard, J., 10 Dorrington St.
Pickersgill, F. J., 213 Woodhouse Lane (Painter)
Pickles Bros.
Pollard J., T., & Son, 10 East Parade (Painters and Decorators)
Puffet, F., Church St., Hunslet
Pullan, J., Noster House, Beeston
Purdy Bros., Alfred St., Burmantofts
Rhodes, C. H., 92 Otley Rd., Headingley
Rhodes, M. & G., North Lane, Headingley
Rhodes, P., Skinner Lane
Richmond, J. W., Elland Rd., Holbeck (Slater)
Ringrose & Carr, Skilbeck St., New Wortley (Joiners)
Robinson, J., 15 Wellington St. (Ptr.)
Roylance & Horsman, 50 St. Mark's Rd. (Painters)
Sanderson, J., Hunslet Lane (Joiner)
Schofield, J., Sons & Co., Viaduct Works, Kirkstall Rd.
Season, J., Hunslet Rd. (Slater)
Sharp & Harper, Bath St. (Slaters)
Simpkiss, W., Swan Junct., Hunslet
Skirrow, J. (R.P.), 65 North St.
Slater & Son, Hyde Park Corner (Plumbers)
Smith, H., Moor St., Armley (Painter)
Sowry & Martin, Bond St. (Plmbrs.)
Speke, J. W., 77 Spencer Place, Roundhay Rd., (Electrician)
Spencer, W., & Sons, Pinfold Lane, Armley
Stephens, A. (R.P.), 19 East St.
Story, T., & Co., 50 Cookridge St.
Sutton, T. (R.P.), Dodsworth Court, 40 Briggate
Symington's, Ltd., Carlton Mills, Woodhouse Lane (Shopfitters)
Thackray Bros., Cliff Place, Woodhouse
Thackray, W. & Son, Hartley Av., Woodhouse (Mason & Joiner)
Thompson, G., 69 Park La. (Plmr.)
Thompson, W., & Sons, Skinner La.
Tillotson, W. R., Victoria Rd., Headingley (Painter)
Todd Bros., Lowerhead Row
Tomlinson, J., & Son, Camp Fields, Holbeck (Joiners)
Townsend, J., Tong Rd., Wortley (Plumber)
Wade, W., 125 Hyde Park Rd.
Wales, C., & Son, Lovell St., North St. (Painters)
Wales, E., Wortley Rd., Armley
Walker, E., Cardigan Rd., Headingly
Walker, J., Wesley Rd., Armley
Walker, J., 59 Otley Rd. (Painter)
Walsh, W., & Sons, 52 Wade Lane (Painters)
Watson, J. (R.P.), Butt's Court, Albion St.
Watson & Worsnop, 25A Whitehall Rd. (Slaters)
Watson, W., Granby Ter., Headingley (Plasterer)
Wheater, A. & S., 85 Hunslet New Rd.
Wilby, J., & Son, Wellington Rd., New Wortley
Wilson & Sons, Bennett Rd., Headingley
Woffenden, J., Hunslet Rd. (Plmbr.)
Wood & Smith, King's Av. (Joiners)
Wood, B., St. Michael's Works, Headingley (& Joiner)
Wood, J., & Son, Bank Bldgs., Hyde Park
Woodhead & Co., Park La. (Painters)
Woodroffe, T. (R.P.), 7 Hunslet Lane
Wooler, E. (R.P.), George & Dragon Yard, Briggate
Wray, W., Brudenell Rd., Hyde Pk. Rd. (Joiner)
Wright, E., 316 Burley Hill, Burley
Wright, J. T., 100 Skinner Lane (all trades)
Wright, R., 4 Lower Brunswick St. (Carpenter & Joiner)

LEES, Keighley.

Sunderland & Greenwood
Taylor, J. (Joiner)

LIGHTCLIFFE, Halifax.

Calvert, C. G., 17 Wakefield Rd. (Plumber)
Dawson, T. C., Park View (Mason)
Gough, H., Bramley Lane
Woodhead, M., Knowl Top (Joiner)

LINDLEY, Huddersfield.

Bates, S.
Bottomley, T., & Sons
Dyson, E. & C. (Plumbers)
Fox, H. & L.
Stott, J. C., Oakes Saw Mills (Joiner)

LIVERSEDGE, near Normanton.

Akers, F., Hightown (Painter)
Bancroft, J. W., Valley Rd. End (Plumber)
Charlesworth, S. Valley Rd. (Joiner)
Dean, J., Hightown (Joiner)
Drake, S., Station Rd.
Elstub, A., Millbridge
Furness, W., Hightown (Plumber)
Goodall, J. W., Littletown (Painter)
Greaves, J., Station Rd. (Joiner)
Horkin, J., Hightown (Mason)
Horsfall, G., & Son, Station Rd. (Masons)
Ilett, J., Station Rd. (Painter)
Jackson, A., Frost Hill (Plumber)
Jemison, J. H. Millbridge (Plumber)
Moore, G., Littletown (Joiner)
Oates, J., Hightown (Plasterer)
Parker, E., Union Rd. (Plasterer)
Smith, A., Watergate, Littletown (Painter)

Yorkshire—*continued.*

Sykes, P., Hightown (Painter)
Thompson, A., Bradford Rd. (Slater)

LOCKWOOD (see Huddersfield).

LOFTUS, S.O., near Saltburn.
Bolton, R., 12 North Rd.
Edwards, —, (Joiner)

LOXLEY, Sheffield.
Brearley, A., Staceybank (Mason)

LUDDENDEN, Manchester.
Alderson, E. & Co., Luddendenfoot (Joiners)
Alderson, T., New Rd. (Slater)
Alderson, W., New Rd. (Plumber)
Pickles, T.
Robinson, H., Luddendenfoot (Cptr.)

MALTON.
Barnes, A., Cemetery Rd. (Mason)
Gibson, A., Newbeggin
Hodgson, T., Greengate Hill (Mason)
Oldfield, H., & Sons, Cattle Market Rd. (Masons and Joiners)

MANSTON, Leeds.
Marshall, W.

MAPPLEWELL, Barnsley.
Storrs, J., Blacker (and Joiner)
Taylor, A. (Plumber)
Taylor, G., Four Lanes End (Mason)
Taylor, G. L., Greenside (Mason)
Turner, J., Spark Lane (Painter)
Wilkinson, S., New St. (Plumber)

MARKET WEIGHTON.
Kneeshaw, R., & Sons (Bricklayers)

MARSDEN.
Goodall, F. (R.P.)

MASBOROUGH, see Rotherham.

MELTHAM.
Earnshaw, F., Helmet (Mason)
Garlick, J., Back Station St. (Joiner)
Moorhouse, J., & Sons, Golcar Brow (Masons)
Moorhouse, J. M. (Joiner)
Moorhouse & Taylor, Mill Moor (Joiners)
Myers, W., & Son (Joiners)
Wilkinson, J., Holt Head (Plasterer)

MENSTON.
Cowling, M.

MEXBOROUGH, Rotherham.
Bendelow & Bennett, Dolcliff Rd.
Brown, M., Hall Gate
Dodsworth, J., Main St.
Dodsworth, S., Bank St.
Huntingdon, Bros., Melton St. (Cptrs.)
Lake, F., Main St.
Shepherd, W., Garden St.
Smith, G. H., Rock Pottery
Thompson, W., Bank St. (Plumber)
Tyas, H., Harlington Rd. (Carptr.)

MICKLEFIELD.
Firth, R., South Milford

MIDDLESBROUGH.
Allison Bros., 4 Marsh Rd. (Joiners)
Almgill, —., Linthorpe
Baker Bros. (R.P.), Corporation Rd.
Barwick, J. (R.P.), 103 Gunnergate Terrace, Corporation Rd.
Bastiman Bros., 26 Albert Rd.
Bray, A., Eastbourne Rd.
Brotton, R.P. (see Advt.)
Boviel, H., 84 St. Paul's Rd.
Bray, P., Gresham Rd.
Bullough, J. (R.P.), Newport Cres.
Crisp, B., & Son, Borough Rd., E.
Curtis & Bowman, Durham St. (Plumbers)
Dean, H., The Avenue, Linthorpe.
Dean, J., Southfield Rd.
Dickinson, T., & Son (see Advt.)
Doughty, D., St. Paul's Ter., Newport Rd.
Harrison, J., Old Packet Wharf (Sltr.)
Hudson Bros., Fidler St. (Joiners)
King, W. A., King's Rd., North Ormesby (Joiner)
Lambert, G., & Sons, Albert Rd. (Pbrs.)
Lord, A. L., Devonshire Rd.
Martin, J. (R.P.), 11 Corporation Rd.
Mascall, R., Old Packet Wharf (Sltr.)
Nelson, J., 26 Church St.
Patterson, D., Victoria Terrace, Linthorpe Rd. (Plasterer)
Pounder, W., Orchard Rd., Linthorpe
Price, G., 184 Newport Rd.
Robinson, W. B., North Rd. (Slater)
Robson, J. G., 13 Kensington Rd.
Scott & Co., 22 Albert Rd. (Painters)
Smiles, J. R., Ld., Boro' Rd. E. (Plstr.)
Spence, E., Linthorpe Rd. (Plumber)
Sweeting, R., Cannon St. (Joiner)
Taylor, W. L., Albert Rd. (Painter)
Thompson, W., Crescent Rd.

R. P. BROTTON,
BUILDER & CONTRACTOR,
BILSDALE,
MIDDLESBRO'.

Works recently executed—
New Church, Carlton-in-Cleveland; Temple Moore, Esq., Archt.; £3,000. Church Restoration, Newton-in-Cleveland; Temple Moore, Esq., Archt.; £1,050. New Church, Lealholm; Temple Moore, Esq., Archt.; £920. New Vicarage, Helmsley; Temple Moore, Esq., Archt.; £2,700. New Town Hall, Helmsley; Temple Moore, Esq., Archt.; £3,500. Two New Houses, &c., Carlton-in-Cleveland; £1,300. New Bridges and Additions to Police Stations for N.R.C. Council. Alterations to Pinchingthorpe Hall. Restoration, Danby Church, Temple Moore, Esq., Archt.; £1,450. Restoration Chancel, Guisbro' Church; Temple Moore, Esq., Archt. Alterations Douthwaite Hall, for Penn C. Sherbrooke, Esq. Additions to Easby Hall, for J. J. Emerson, Esq. New School House, Bilsdale, for Earl Feversham. New Chancel and Restoration of Nave, Kirkby-in-Cleveland Church; Temple Moore Esq., Archt.; £1,860. New School, Rudland, for Earl Feversham; Temple Moore, Esq., Archt. New Wing and Alterations to Keldholme Priory, for Ed. S. Horton, Esq.

Thomas Dickinson & Son,
Builders & Contractors,
MIDDLESBROUGH.

Some Contracts completed :—
Mansion, Stables, etc., near Loftus; Alfred Waterhouse, Esq., Archt.
N. P. Bank, Loftus, Town Hall; E. Robson, Esq., Architect.
North Eastern Banks, Middlesbrough and Loftus; A. L. Newcombe, Esq., Architect.
Messrs. Lampton's Bank, Sunderland; A. Gribble, Esq., Architect.
Church of Emmanuel, Saltburn-by-Sea; Mansion, &c., Saltburn; C. Johnson, Esq., Architect.
Victoria Schools, Middlesbrough.
Messrs. Dorman & Long's Offices, Middlesbrough.
Mansion, Stables, & Lodge, Middlesbrough; J. M. Bottomley, Esq., Architect.
St. Joseph's Catholic Church; Messrs. Dunn & Hansom, Architects.
Public Abattoirs, West Hartlepool; J. W. Brown, Esq., Architect.
Technical Schools, West Hartlepool; Town Hall, West Hartlepool; H. A. Cheers, Esq., Architect.
St. Peter's Catholic Church, Castle Eden; John Kelly, Esq., Archt.
Mansion, Stables, etc., near Northallerton; Messrs. Demaine & Brierly, Architects.
North Eastern Gazette Offices, Middlesbrough; R. Lofthouse, Esq., Architect.
Kirklevington Hall, Sir T. Richardson, M.P.; E. May, Esq., Archt.
Mansion, W. C. Gray, Esq., West Hartlepool; T. Lewis Banks, Esq., F.R.I.B.A., Archt.
York City and County Bank, West Hartlepool; Messrs. Barnes and Coates, Archts.
St. Oswald's Church, West Hartlepool; Messrs. Hicks & Charlewood, Archts.
Tees Conservancy Commissioners' Offices, Middlesbrough; Messrs. Bottomley & Whipham, Archts.
Bridge Hotel, Thornaby-on-Tees; Messrs. Oliver Leeson & Wood, Architects.
York City & County Bank, Middlesbrough; Harry Barnes, Esq., Archt.

Tyreman, E., Borough Rd. E. (Slater)
Vinter & Davison, 24 King Ed.'s Rd.
Zealand, C., Park Rd., North.

MILNSBRIDGE.
Allison, T. (Slater and Plumber)
Sykes, E. (R.P.), Market St.

Yorkshire—*continued.*

MIRFIELD.
Blackburn, J. W., Stock's Bank (Mason)
Buckley, J., Hopton (Joiner)
Bywater, T., Easthorpe (Painter)
Fawthorp, C., Trinity St. (Plumber)
Johnson, S., & Son, Stock's Bank (Plasterers, Slaters, and Concrete Floor Layers)
Oates, W., Nab Lane (Mason)
Roberts, H., Knowle Rd. (Painter)
Shaw, A., New Scarboro' (Plasterer)
Smith, F. H., Lower Hopton (Painter)
Smith, W., Battyeford (Joiner)
Stevenson, J., Easthorpe (Joiner)
Walker, E., & Co., Station Rd. (Plumbers & Glaziers)
Walker, P., Battyeford (Plumber)

MONK FRYSTON, South Milford, S.O.
Watson, G.

MORLEY.
Anty, W., Chapel Hill (Plumber)
Asquith, J., Peel St.
Binks, J. W., Ackroyd St.
Chappell, T., Commercial St. (Plbr.)
Clegg, J., & Sons, 10 Wesley St.
Fawcett, A., Peel St. (Plumber)
Firth, E., Peel St. (Plasterer)
Firth, G. A., Fountain St. (Plumber)
Furness, A., East Park St.
Kellett, J., Fountain St. (Slater)
May, J., Peel St. (Slater)
Newton, I., Ackroyd St.
Pearson & Ainsworth, Britannia Rd.
Rogerson, G., Bank Top (Slater)
Spensley, H., High St.
Sykes, W. & H., Westfield Rd.
Wilson, E., Westfield Rd. (Plasterer)
Wood, J. W., & Son, Bluntfield Lane

MOUNT TABOR, Halifax.
Marsland, E. (Carpenter and Joiner)
Gaukroger, J. (Mason)

MYTHOLMROYD.
Greenwood, G. (Plumber and Glazier)
Kershaw, J. (Carpenter and Joiner)
Robinson, J. (Slater & Plasterer)

NETHERTON, near Huddersfield.

James Blakeley and Sons,
JOINERS, &c.,
Netherton, nr. Huddersfield.

TELEPHONE No. HONLEY, 35.

Works Executed include:—
Several Gentlemen's Residences, Churches and Schools, Mill and Warehouse property.

Contracts carried out under the following Architects: Mr. Joseph Smith, and Messrs. Hall & Fenton of Sheffield: Messrs. John Kirk and Sons, Mr. Joseph Berry, Mr. E. W. Lockwood, Messrs. Lunn & Kaye, Mr. Wm. Cooper, all of Huddersfield.

NEW MILLERDAM, Wakefield.
Oxley, F. W.

NORMANBY, Middlesbrough.
Radge, G.

NORMANTON.
Denison, F., Market St. (Mason)
Leake, R., & Sons, Pontefract Rd. (Masons)

NORTHALLERTON.
Foggin, J. (Joiner)
Fowler, F. B. (Plumber)
Gibson & Smith (Plumbers)
Horner, E. (Plumber)
Peacock, R., & Sons, South End
Willoughby, T. & J., North End
Wilson, J. (Joiner)

NORTH FRODINGHAM.
Cammidge, T.
Smales, T.
Witty, W. (Bricklayer)

NORTON, Malton.
Allison, —
Anderson, T., Mill St. (Mason)
Kitching, W., Scarborough Rd. (Jnr.)
Lyons, A., Langton Rd. (Msn. & Jnr.)
Priest, R., Scarboro' Rd. (Mason)

NOTTON, Barnsley.
Nussey, A.

OAKWORTH, Keighley.
Akroyd, N., & Sons (Stonemasons)
Bland, S.
Green, J., & Son, Hill Top (& Joiners)
Sugden & Mitchell (Masons)
Sudgen, B. (Plasterer)
Waterhouse, J. (Mason)
Wilkinson, J. (and Joiner)

OSSETT.
Horsnell & Heald, Queen St. (Jnrs.)
Land & Nettleton, Dewsbury Rd. (Jrs.)
Lockwood, A., & Sons, Intake Lane (Masons)
Lockwood, M., Little Town End (Jnr.)
Mercer, E., Street Side
Oldroyd, R., Prospect Rd.
Pickersgill, J., Street Side
Sanderson, H., Wesley St. (Plasterer & Painter)
Snowden, J., & Son (R.P.s) (Pntrs., &c.)
Stubbs, R., South Ossett
Tolson, R., & Sons, Westfield
Whitehead, W. & E., Bank St. (Jrs.)

OTLEY.
Bennett, E., & Son (Painters)
Cawood, F., 3 Fairfax St.
Denison, J., Westgate (Joiner)
Farrand, G., Boro'gate (Plumber)
Hammon, J., Farnley Lane
Howroyd, C., & Sons, Cattle Market (Plasterers)
Longfield & Co., (Ironfounders)
Mawson, E., Back Lane (Plumber)
Norfolk, J., Cross Green (Mason)
Renwick, J. (Mason & Bricklayer)
Suttle, J., & Son (R.P.), Court Ho. St.
Thomas & Atkinson, New Market (Jrs.)

OUTWOOD, Wakefield.
Richardson, J. (Joiner)

OVENDEN, Halifax.
Smith, H., 115 Beechwood Rd.
Wormsley, S., 26 Lintelfield St. (Msn.)

OXENHOPE, Keighley.
Crabtree, J. & J., Crummock
Holmes, G. (Plasterer)
Waddington Bros. (Masons)
Whitaker, H. (Joiner)
Wright, W., Station Rd. (Joiner)

PARK GATE, Rotherham.
Tadewell, J.
Trehern, W. H.

PATRINGTON, Hull.
Cockerill, H. (Bricklayer)
Fewster, D. (Joiner)
Smith, J. S. (Plumber and Painter

PENISTONE.
Hawley, T. & J. (Joiners)
Marsh, A., Unwin St.
Turner, F., Thurlestone
Wainwright, A., Thurlestone

PICKERING.
Marshall & Sons
Yearsley, T.

POCKLINGTON.
Grant, T., Union St.
Tuison, W. (Bricklayer & Mason)

PONTEFRACT.
Barker & Jowett, Corn Market (Jnrs.)
Burton & Son, Tanshelf Drive (Pntrs.)
Butler, H., & Son, Corn Mkt. (Ptrs.)
Gelder, J. & J. C., Northgate (Jnrs.)
Gundill, H., Southgate (Bricklayer)
Harrison, S., Gillygate (Painter)
Jackson, D., Northgate (Joiner)
Keighley, W. H., Corn Market (Plumbers)
Leng, T., Wakefield Rd. (Plumber)
Pease, M., & Son, Old Church (Joiners)
Pearson, W., Horsefair (Plumber)
Ramsden, T. H., Ropergate (Painter)
Senior, T. W., Walkergate (Plstr.)
Shaw, J., Northgate (Plasterer)
Spurr, G., Castle Moat (Bricklayer)
Spurr, G., Wakefield Rd. (Slater)
Stewart, G., & Son, Tanshelf (Sltr).
Taylor, A., Tanshelf Drive
Taylor, H., Mill Hill (Bricklayer)
Thrall, W., Northgate (Painter)
Walker & Ward, Mill Hill (Brcklyrs.)
Ward, T., Wakefield Rd. (Joiner)
Wheatley, R., Ropergate (Painter)
Wright, H., & Son, Ropergate

PRESTON, Hull.
Fewster, J. (Joiner)

POOL, near Leeds.
Kaye, S.

PUDSEY.
Ambler, H., Littlemoor (Mason and Bricklayer)
Battye, G., Church Lane (Plumber)

Yorkshire—*continued.*

Coe, J. (Painter)
Farrer, R. (Joiner, &c.)
Haley, B., Lowtown (Painter)
Hargrave, J. Longfield Wks. (Joiner)
Hutton, E., & Son, Fulneck (Joiners)
Hutton, W., Fulneck (Mason, &c.)
Johnson, S., Chapeltown (Joiner)
Nicholson, J., Chapeltown (Painter)
Parker, F., Lowtown (Plumber)
Scarth, J., Chapeltown (Plumber)
Shuttleworth, H., Church Lane (Ptr.)
Thompson, F. (Slater)
Verity, G., Lowtown (Joiner)
Walker, J., Lowtown (Plumber)
Whitham, A., Lowtown (Joiner)
Wood & Williams, Lowtown (Plstrs.)
Wood, A. Church Lane (Plasterer)
Wood Bros., Crawshaw St. (Masons)
Wood, T., Ratcliffe Lane (Mason)

QUEENSBURY.

Bairston, J., & Son (Joiners, &c.)
Balmforth & Reece, Scarlet Heights (Mason)
Balmforth, E., Scarlet Hghts. (Mason)
Benn, S., Wellington Mills (Joiner)
Briggs, J., Calder Bank Wks. (Joiner)
Farnell, J., Ambler Thorn (Joiner)
Gregson, S., High St. (Painter)
Hainsworth, J., & Son, Chapel Lane (Masons)
Hodgson, S., Spring Grdns. St. (Pntr.)
Jennings & Whittaker, High St. (Ptrs.)
Ramsden, A., Ambler Thorn
Rushworth, J., Ambler Thorn (Jnr.)
Shackleton, T., & Co., Clayton Heights
Stocks, M., High St. (Plumber)

RAINTON, Thirsk.

Kay, J., & Sons (Masons)

RASTRICK (see Brighouse).

RAVENSTHORPE.

Overoud, J., Huddersfield Rd. (Mason)
Steam Joinery Co., Foundry St.
Summersgill, H. (Plumber)
Whitehead, C., & Sons (Masons)
Whitehead, J. H., North Rd. (Joiner)

RAWDON.

Nunns, G. & R. (R.P.s), Low Green
Richardson, J., Derby Rd., (Slater)
Rushworth, J. (Joiner)
Walker, J., & Sons (Joiners)

RAWMARSH.

Alt, R.
Bool, F. & T. (Plumbers)
Pugh, G.

REDCAR.

Tarron, J. E. (Plasterer)

RICHMOND.

Shaw, W., Newbiggin

GEORGE R. WADE,
F.I.S.E.,
Builder and Contractor, and Sanitary Engineer,
WELLINGTON PLACE,
RICHMOND, Yorks.
Works executed include:—
New National Schools, Richmond, £3,500; Messrs. Clark & Moscrop, Archts. New Grammar School, Richmond, £3,750; Messrs. Clark and Moscrop, Archts. New Court House and Police Station, Bedale, for North Riding County Council, £5,300; Walter H. Brierly, York, Archt. New Co-operative Society Stores, Richmond, £2,060; L. G. Ekins, Newcastle-on-Tyne, Archt.; and many other Contracts.
Special attention given to Sanitary Work, Alterations, etc., in Town or Country.

RIPON.

Akers Bros., Kirkgate (Painters)
Almond, A. J. G., Shellgarths (Painter)
Barker, T., Littlethorpe Ter. (Jnr.)
Baynes & Beck, North Rd. (Slaters)
Benson, W., King St. (Plumber)
Blackburn, W., 33 St. Mary's Gate (Bricklayer, Mason, & Plasterer)
Boddy, H., 17 Kirkgate (Joiner)
Bruce, T., 4 Water Skellgate (Brcklyr.)
Calvert, J. R., Exors. of, North St. (Painters)
Coldbeck, J. H., Canal Yard
Florentine, J., King St. (Mason)
Gowing, J. (R.P.), North St.
Harrison, T. (R.P.), North St.
Lowley, J., Low Skellgate (Joiner)
Metcalfe, J., Kirkgate (Joiner)
Mitchell & Webster, Hecklar Houses (Bricklyrs., Masons & Plasterers)
Trees, A., Kirkby Rd. (Bricklayer
White, J., Skell Gardens.

RIPPONDEN.

Crawshaw Bros., Woodville
Holroyde, J.
Stafford, J.

RISHWORTH.

Cockcroft, J., Pike End
Riley, E., Butts Green (Mason)
Whiteley, C. & W., Slithero (Carpenters & Joiners)
Whiteley, J. (Carpenter and Joiner)

ROTHERHAM.

Bell, W., 140 Effingham St.
Bishop, J., 111 Effingham St.
Bywater, O., Providence St., Masbro' (& Joiner)
Carson, J. College Rd., Masbro' (Plstr)
Chadwick & Co., College Rd.
Cooper, J., Rother Works
Cox, G., Exors. of, Wharncliffe St.
Earnshaw, W., Mary St., Masbro'
Frugone, F. L., 59 Effingham St.
Gibbons, J., Masbro' St., Masbro' (Plumber)
Grafton, W., 92 Bethel Rd. (Joiner)
Green, T., Greasboro' Rd.
Heathcote, H., Effingham St. (Slater)
Hodkin, J., Firbeck
Hutchinson, W., Frederick St. (Plbr.)
Jennison, J., St. Ann's Rd. (Plstr.)
Leadbeater, F., Frederick St. (Plstr.)
Lister, T., 8 Masbro' Bridge (Plumber)
May & Sons, Ferham Rd., Holmes (& Joiner)
Meanley, G. W., Park Rd., Mexboro'.
Outram, T. W., Tusmore St. (Joiner)
Saul, G. (Exors. of), Masbro' (& Monumental Mason)
Scott, J., 100 Clough Rd., Masbro'
Simpson, C., 88 Norfolk St. (Plasterer)
Slack, W. H., Main St. (Carver, &c.)
Snell, R., 31 St. Ann's Rd.
Snell, R., Station Rd., Masbro'
Thornton, W., & Son, 53 Glass Ho. St.
Tradewell, J., Parkgate
Treherne, W. H., Wellgate
Walker, F., 71 Frederick St. (Slater)
Walker, T., 5 Morpeth St. (Slater)
Watson, W. B. (R.P.), Doncaster Gate
Whittington, J., St. Ann's Rd. (Pntr.)
Woolliscroft, G., Market Pl. (Pntr.
Wortley, J., 29 Drummond St. (Joiner)
Wright, W., 25 Mansfield Rd. (Pntr.)

ROTHWELL, Leeds.

Chapman, J.
Chapman, W.
Copley, W. (Joiner)
Stainer, T.

ROYSTON, Barnsley.

Cutts, C. & E.

RYHILL, Wakefield.

Fisher, G. H. (Plumber)
Hargreave, J. J. (Mason)

SALTBURN-BY-THE-SEA.

Biscombe, W., Stanhope St. (Cptr.)
Emmett, O., 42 Emerald St.
Farrar & Dyson, 25 Ruby St. (Plmrs.)
Gladstone, M., Hilda Place
Holland, J. H., Station St. (Pntr.)
Hull, J., 28 Emerald St. (Joiner)
Hutton, W., Ox Close (Joiner)
Jones, J., Station St. (Plumber)
Mazzetti, D., Milton St. (Painter)
Metcalfe, J., 8 Amber St. (Plumber)
Naylor, J. S., Windsor Rd.
Robinson, T. L., Diamond St. (Joinr.)
Smith, W. H., Diamond St.
Tunnicliff & Son, 37 Milton St. (Pntrs.)

SCARBOROUGH.

Appleby & Brogden, Sussex St. (Smiths)
Atkinson, W., & Son, Alma Parade (Joiners)
Bastiman & Sons, 70 Victoria Rd.
Bell, A., Gladstone St. (Joiner)
Bland, A., Gladstone St. (Joiner)
Bland, W. & J. W., 33 Nelson St.
Bland, S., & Son (see Advt.)
Bradley, G., & Sons, 90 Westborough (Painters)
Carr & Creasen, York Place (Joiners)
Clough & Tasker, Ramshill Rd. (Plumbers)
Foster, J. (Exors. of), Victoria Rd. (Joiners)
Fowler, L., Wykeham St. (Joiner)
Hardgrave, J., Belle Vue Parade
Hardgreave, J., Falsgrave Rd.
Hunter & Smith, 55 Franklin St. (Bricklayers)

Yorkshire—*continued.*

Septimus Bland & Son,
PLUMBERS, &c., &c.,
32 BAR St., SCARBORO'.
Branch: ST. MARTIN'S PLACE, SOUTH CLIFF, SCARBORO'.
Works executed include—
Spa Saloon Buildings, Scarboro'; Messrs. Verity & Hunt, Archts., London. New Convent, Scarboro'; F. A. Walters, Esq., Archt., London. Alterations to the Hall, Thornton-le-Street, Yorks; G. H. Hunt, Esq., Archt., London. Alterations to the North Sea Bathing Infirmary, Scarboro'; Fowler Jones, Esq., Archt., York. Balmoral Hotel, Scarboro'; Messrs. Hall & Tugwell, Archts., Scarboro'. Belvedere Estate, 19 large Houses, 6 Villas & Mansion; J. Petch, Esq., Archt., Scarboro'. The Cliffe, Flamborough, Yorks; Messrs. Hall, Cooper & Davis, Archts., Scarboro'. Scarboro' Union, New Infirmary, &c.; Messrs. Barry & Tugwell, Archts., Scarboro'. New Infectious Diseases Hospitals, Scarboro'.; Harry W. Smith, Esq., Borough Engineer, Archt., Scarboro.' New Grammar Schools, Pickering; J. Bilson, Esq., Archt., Hull.

JOHN JARAM & SONS,
Builders & Contractors,
16 GLADSTONE STREET, SCARBORO'.
Seven Large Houses, Belvedere, South Cliff, Scarboro'; JOHN PETCH, Esq., Archt., Scarboro'.
Main Sewerage for the Scarboro' Corporation; JOSEPH PETCH, Esq., Surveyor.
Mansion for Major Smaithwaite; F. A. TUGWELL, Esq., Archt., Scarboro'.
Extension of Lloyd's Cottage Hospital, Bridlington; Messrs. SMITH & BROADRICK, Archts., Hull.
Lifeboat House, Filey;—MALCOLM, Esq., Archt. to Lifeboat Institute.
Extensive Alterations to Cambridge Hotel, Scarboro'; JOHN PETCH, Esq., Archt., Scarboro'
New Wing to Ramsdale Bank for Lieut. Col. Stebles; HALL AND TUGWELL, Archts., Scarboro'
New Wing to Park Lea, Scarboro' for Dr. Dale; DALE OLIVER, Esq., Archt., Carlisle.
Alterations and Additions to the Scarborough Workhouse, New Board Rooms, Infirmary and Laundry; Messrs. BARRY & TUGWELL, Archts., Scarboro'.
New Wing to Raven Hall Hotel, Ravenscar, for the Peak Estate Co., Ltd.; Messrs. F. A. & S. TUGWELL, Archts., Scarboro'.
New Hotel at Sandsend, Whitby, for the Northern Breweries, Ltd.; F. Tugwell, A.R.I.B.A., Archt., Scarboro'.
Extensions to Main Building and New Laboratory to Bridlington Grammar School; Messrs. BOTTERILL, SON & BILSON, Archt., Hull.
New Residence, "Dunollie," for J. H. Turner, Esq., Scarboro'. PENTY & PENTY, Archts., York.
Wydale Hall, Brompton, Excavator, Bricklayer, Mason and Plasterers' work; SYDNEY KILSON, Esq., Archt., Leeds.

Jowsey, T. B. (see Advt.)
Lowe, A. J., Aberdeen Walk (Smith)
Maynard, D. (R.P.), 32 Castle Rd.
Moore, A., 23 West Bank (Bricklayer)
Petch, W. T., Victoria Rd.
Pickup, H., Brooke St. (Smith)
Spink, J., 172 Victoria Rd. (Joiner)
Stephenson Bros. (R.P.s) Queen St.
Wanless, & Sons, Westborough (Painters)
Watkinson, R., Barwick St.
Wells, G. F., Waterhouse La. (Plbr.)
Wilson, J. F., Belle Vue St. (Bricklyr.)
Wrightson, H. A., & Son, 22 Bar St. (Painter)

T. B. JOWSEY,
Contractor.
Speciality
Carpentry and Joinery,
SCARBOROUGH.
Works executed include:—
Two Villas, South Cliff; Messrs. Demaine & Brierly, York.
Batteries and Drill Sheds; The Admiralty.
Friarage Board Schools, Holy Trinity Parsonage, and several Villas and Business Premises; J. C. Petch, Esq., Scarborough.
Coffee House, Scarborough, Messrs. W. Rowntree & Sons, Business Premises, Messrs. W. Rowntree and Sons, Second Extension to same, G. Rowntree, Esq., Residence, &c., &c.; Fred Rowntree, Esq., London.
N.E. Railway, Engine Stables, &c., Horse Stables and Additions to ditto; W. Bell, Esq., York.
"Southlands" Boarding House, J. C. Rickett, Esq., M.P., Residence; Messrs. Hall, Cooper & Davis.
Esplanade Boarding House; Messrs. Cooper & Davis.
Several Villa Residences; J. Petch, Esq.
Cottage Hospital; W. E. Barry, Esq.
"St. Alma" Boarding House; Messrs. Runton & Barry, Hull and Scarborough.
Infectious Diseases Hospital; Harry W. Smith, Esq., Borough Engineer.
Several Villa Residences; Frank A. Tugwell, Esq.

SEDBERGH.

Brassington, J. H. (Mason)
Knight, W. (Plasterer)
Sedgwick, M.
Wadeson Bros. (Plumbers)

SELBY.

Abbott, W., Wide St. (Joiner)
Foster, G., Gowthorpe St. (Joiner)
Foster, J., Water Lane (Bricklr.)
Gregory, B., Burn, near
Lomas, M., Ousegate (Mason)
Swift, A. R., Ousegate (Plumber)
Ullathorne, T. S., Trinity Works

SETTLE.

Handby, E. Duke St. (Painter)
Hardy, J., Craven Marble Wks. (Msn.)
Harger, Bros., New St. (Joiners)
Hayton, W., Duke St. (Plumber)

SHEFFIELD.

Alflat, G. C., 9 Grimesthorpe Rd.
Ash, Son & Biggin, 13-17 Furnival St., Moorhead
Ashforth, F., 227 Barnsley Rd., Pitsmoor
Astling, J., Brotherton St.
Barnaby, G., 16 Scott Rd., Pitsmoor
Bartram, W., Elm Tree Hill (Joiner)
Bee, J., & Son, London Rd. S., Heeley
Belfield, J., Stanington, nr.
Black, G., Bennett St. (Joiner)
Boot, H., & Son, 132 Moor St.
Booth, J., 96 Milton St. (Joiner)
Boulby, J., & Sons, Charlotte St.
Bown, E., 15 Clarence St. Broomhill (Slater & Plasterer)
Bradbury, A., Cemetery Rd. (Mason & Furnace Builder)
Bradley, J. & Sons, 40 Carver St.
Braithwaite & Co. (R.Ps.), 38 Carver St.
Bridges, W. A. (R.P.), 105 and 107 Washington Rd.
Brown, D., 187 Whitham Rd., Broomhill (Joiner)
Browning, T., 221 Chesterfield Rd.
BRUMBY, HY., & SON, Parkfield Place, Highfield, Sheffield.
Bush, W., 56 Charlotte St.
Carr, G., Worthing Rd. (Mason)
Chadwick, C., & Sons, Victoria St., Glossop Rd. (Slaters & Plasterers)
Chandler, W., Fitzwilliam St. (Jnr.)
Cook, J. D., Meersbrook Park Rd., Heeley
Cooke, H., & Son, Lawrence St., Attercliffe (& Joiners)
Corrie, J. B., & Sons (R.P.), 33 Carver St.
Coward, J., Duke St. Park
Crooks, W., & Son, 127 Devonshire St. (Joiners)

Yorkshire—*continued.*

Cullabine, J., & Co. (R.P.), 96 Devonshire St.
Daniels, J., 24 Brookfield Rd.
Dawson, Jones, & Co., 200 Broomhall St. (Joiners)
Dyson, Son & Gregory, 681 London Rd. Heely (Joiners)
Ellis & Wetherill, 50 Fitzwilliam St. (Slaters)
Elliston, P., & Son, Cobden View, Crook (Roads, &c.)
Eshelby, J., & Son, Spring St.
Eyre, F., Clarence Rd. Hillsboro'
Fidler, J., Ltd., Corporation St. (Masons)
Flowerday, W. S., & Sons, Saville St. (Joiners)
Forsdike, W. & A., 24-30 St. Mary's Rd. (Joiners)
Freckingham, H., 72 Wicker
Gillam, C. H., 95 Sharrow Lane
Glossop, C., & Sons, 109 Walkley Bank Rd. (Masons & Bricklayers)
Goodier, J., & Son, 16 and 18 Netherthorpe Pl., Portmahon (Painters)
Grayson, R., 135 Walkley Bank Rd.
Greenwood, J., Attercliffe
Grey, T. & Sons, Plumpers Rd., Tinsley (Joiners)
Hadfield, W., 25 Normandale Rd.
Hancock, J., & Son, Nether Green
Harrison, H., & Sons, Greenhill
Harrison, W. E., Regent Ter. (Steeplejack)
Helliwell, G. J., Wood Rd., Hillsbro' (Mason)
Hepworth, A. S., West St. (Painter)
Hirst, J. H., Woodseats
Hodkin & Jones, Ld., Queen's Rd. (Plasterers and Concreters)
Hollingworth & Bedford, Cleveland St.
Holmes, H., Up. Hanover St. (Jnr.)
Horsfield, F. & A., Meersbrook
Hudson & Dore, Daniel Hill St. (Slaters and Plasterers)
Ireson, E., 57 Weston St.
Jeckells, F. & Son, Victoria Market, Glossop Rd. (Decorators)
Johnson, J., 178 Broad La. (Steeplejk.)
Keeton, J., Intake
Kirkam, W., Brinsworth Rd.
Lee, J., Moncrieffe Rd., Sharrow
Lee, T., 54 St. Mary Rd. (Joiner)
Lister, J., Aughton Rd., Swallowsnest
Longden, G., & Son, Ld., Neepsend Ln.
Lynn, W., Sheaf St. (Joiner)
Malpass, G., 172 Crabtree Rd.
Marshall, F., Meersbrook
Martin & Hughes, 4 Club St.
Masson, J., 3 Talbot St. (Joiner)
Mastin, J., & Sons, Cavendish St. (Masons)
May, W. & Sons, 53 Melbourne Rd.
Mellowes & Co., Ld., Corporation St. (Plumbers, Glaziers, and Roofing Engineers)
Moore, A., 12 Wharncliffe Rd.
Norton, J., & Son, 122 Queen St. (Plumbers)
O'Neill, D., & Son, Solley St. (Msns.)
Oxley, G. & E., Up. Hanover St. (Jnrs.)
Parsons, S., 7 Lambert St. (Joiner)
Pearson, J., 19 Stafford Rd.
Petfield, B. (R.P.), 55 Cavendish St.
Pinder Bros., Intake (Masons)
Powell, B., & Son, 37 Cavendish St. (Masons)
Raw & Son, Cowlishaw Rd.
Ridal, F., Cobden View Rd. (Mason)
Roberts, C., Attercliffe Common
Roberts, G., 259 Ecclesall Rd.
Robertson, J. T., William St. (Joiner)
Roper, T. & Sons, 11 Ashdell Rd., Broomhill
Sandall, W., 75 Crookes
Saul, W., Kingston St.
Shepherd & Nunn, 103 Rockghm. St.
Slack, D., Winter St. (Joiner)
Smith & Co., Fitzalan Sq. (Painters)
Smith & Snape, West St. (Painters)
Spurr, G., 135 Gell St.
Stacey, J., Meersbrook Bank
Staniforth & Lee, 90 Sharrow Lane (Slaters)
Statham, W. (R.P.), 64 Fitzwm. St.
Summers, S., Balaclava Rd. (Joiner)
Thickett, G. (R.P.), 67 Corporatn. St.
Townrow, M. I., Nether Grn. (Jnr.)
Tune, W. J., 113 Attercliffe Rd. (Slater, Tiler, &c.)
Turner, F., 261 Rockingham St.
Turton, H., Meersbrook Bank
Vasey, J., & Son, 87 London Rd.
Waddilove & Co., 26 Broad St. (Plmrs.)
Walker, R. J., 75 & 77 Charles St. (Plumber and Glazier)
Wheen, J. & H., 37 Porter St.
Whitaker, B., jun., Lyons St.
White, J., & Son, Burton Rd. (Masons)
Wilson, M., Talbot St.
Wise, J., & Sons, 482 Glossop Rd. (Joiners)

SHEPLEY, Huddersfield.
Jess, A.

SHERBURN, South Milford, S.O.
Thompson, W., & Sons

SHIPLEY.
Atkins, W., 41 Carr Lane (Joiner)
Bagnall, T., 5 Market Bldgs. (Pntr.)
Bairstow, J.
Cryer Bros.
Dawson, F., & Sons, Carr Lane
Deacon, J., Wharf St. (Mason, &c.)
Greenwood & Dibb, Well Croft (Jnrs.)
Hird, R., Ltd. (Ironfounders)
Hobson, E., Leeds Rd., Windhill
Holden, J., Windhill
Ives, W., & Co. (Joiners)
Moody, J. W.
Parker, A., Carr Lane
Pitts, W., & Sons, Field St. (Mason)
Rhodes Bros. (Masons & Joiners)
Ross & Crabtree
Ross, A., 19 Westgate (Plumber)
Rushworth, S., Briggate (Plumber)
Shackleton, Jones & Chadwick, Frizinghall
Taylor, R. D. (R.P.), & Son, Otley Rd.
Thornton, T. (Slater)
Walsh, J., & Sons, Dale St. (Slaters)

SILSDEN, Keighley.
Cowling, F. (Joiner)
Driver & Lee
Vaycock, C. & J. (Plasterers)
Smith & Pickles, Clog Bridge (Plmrs.)
Wade, R. (Joiner)

SKELTON, York.
Middleton, C.

SKELTON-IN-CLEVELAND, S.O.
Gowland, J. M. (R.P.)
Tate, A., 89 High St. (Painter)

SKIPTON.
Bailey, T., & Sons, Keighley Rd. (Plasterers)
Baldwin, D., Keighley Rd. (Plumber)
Boyle, J., High St. (Plumber)
Calvert, A. (R.P.), Otley St.
Duckett, T., Keighley Rd. (Mason)
Horner, F. (R.P.), High St.
Hudson, T. (Plasterer)
Kirk, B., Carlton Rd. (Mason)
Mason, G. H. (R.P.), 54 High St.
Roberts, W., & Son (Joiners)
Shaw, A. H. (Joiner)
Shuttleworth, A., Craven Ter. (Plstr.)
Smith, G., New Market St. (Plmbr.)
Thornton, R., & Sons, Waller Hill (Slaters)
Thornton, T., Otley St. (Joiner)
Ward, Bros., Castle St. (Masons)
Wilkinson, J., Firth St. (Mason)
Windle, J., & Son, 18 Canal St. (Joiners)

SLAITHWAITE.
England, E., & Sons
Holyroyd, W., Crimble
Varley, J., & Son

SOUTH BANK.
Atkinson, J.
Bulmer, J.
Dandy, J., 5 Upper Millbank St.
McGarrock, C. (Plasterer)
Radge, W., 18 Redcar Rd.
Severs, J.

SOUTH MILFORD, S.O.
Elsworth, T.
Sunderland, J. (Joiner)

SOWERBY BRIDGE.
Dyson, T., Greemips Ter. (Slater)
Fox, W., & Sons, Bolton Brow (Joiners & Plumbers)
Kershaw, J. & Son, Town Hall St. (Plumbers)
Longbottom, R., Sparkhouse Lane (Mason)
Mallinson, B. & Sons, Bolton Brow (Painters)
Robinson, W., & Sons (Slaters)
Stafford, J. (R.P.), West St.
Sutcliffe & Son, Sowerby St. (Joiners)
Sutcliffe, W., Willow Ter. (Mason)
Turner, J., & Sons, Burnley Rd. (Masons)
Whitehead, E., & Co., 21 West St. (Painters)
Whiteley, G., West End (Slater)

STAINLAND.
Cookson, J. (Joiner)
Edwards, B., & Sons (Masons)
Helliwell, J., Stainery (Mason)
Park, A. (Carpenter and Joiner)
Townsend, B., & Sons (Painters)

Yorkshire—*continued.*

STANNINGLEY, Leeds.
Burnes, S. (Plumber)
Laycock, J., & Sons, Richardshaw Lane (Plasterers)
Mann, J. B., Bradford Rd. (Joiner)
Pennington, H., Town St. (Plumber)
Ringrose, J. (Mason)
Smith, G., Richardshaw La. (Painter)
Thompson, F., Bradford Rd. (Slater)

SUTTON, Hull.
Carrick, A. (Joiner)
Easingwood, F. (Bricklayer)
Sonley, J. B. (Joiner)

SWANLAND, Brough.
Andrew, W. (Joiner)
Kirby, J. & Son (Bricklayers)

SWINTON, near Rotherham.
Bower, E. J., Church St.
Bower, J. A., Station St.
Holt, J., Bridge St.
Kemp, C., Bridge St. (Slater)

TADCASTER.
Brayshaw Bros., Station Rd.
Bywater, T. High St. (Painter)
Jackson, E., Westgate (Joiner)
Marshall, J., & Co., Ltd. (Painters)
Moverley, J. H., Broomfield Terrace, Kirkgate
Tindall, G. F. (R.P.), High St.
Topham & Sons (Painters)

THIRSK.
Halliday, J., Asenby, near (Joiner)
Jackson, W., Westgate
Manfield, C. K., Sowerby Terrace
Ruecroft, J. D., Sowerby (Joiner)

THORNABY-ON-TEES.
Alcock, H., Bon Lea Terrace
Smith, W., Mandale Rd.

THORNHILL, Dewsbury.
Ingham, H. (Joiner)
Lodge, C. (Plumber)
Sheard, E. P.
Smith, B. (Plumber)
Wilcock, E. (Mason)

THORNTON, Bradford.
Fielding, F., Crown Inn
Hill, J., & Son, Backfield
Robinson, F., Storr Heights
Varley & Son, Market St. (Plumbers and Painters)

THORNTON-LE-CLAY.
Danby, W.

THURGOLAND, Sheffield.
Laycock, W.

TICKHILL, Rotherham.
Rawson, R. H., & Sons, Westgate Works

TIMBLE, GREAT, near Otley.
Dickinson, J.

TODMORDEN.
Astin & Barker (Ironfounders)
Barker & Holt, Limeholme (Masons)
Blacka, T., Stansfield Rd. (Plstr.)
Crossley, A., Stansfield Rd. (Joiner)
Crossley, A., Gauxholme (Joiner)
Davis, F., George St. (Plumber)
Davis, T., Bridge End (Plumber)
Greenwood, T., Limeholme (Joiner)
Halstead Bros., Eastwood (Joiner)
Ingham & Heselden, Cornholme (Jnrs)
Ingram, R. H. (Plumber)
Law, T., White Hart Fold (Plumber)
Lumb, B., Woodlands Av. (Mason)
Mallison, M., Stansfield Rd. (Joiner)
Mitchell, W., Cornholme (Plasterer)
Sandholme Iron Co.
Scott, G., Cambridge St. (Mason)
Sutcliffe, J., Limeholme (Joiner)
Uttley, J., Fielden Sq. (Plumber)
Waller, A., Halifax Rd. (Plumber)
Wrigley & Sons, York St. (Painters)

TREETON, Rotherham.
Foers, F.

TRIANGLE, Halifax.
Greenwood, J. (Carpenter & Joiner)
Lumb, G. (Painter)
Whiteley, L. (Carpenter & Joiner)

UPPER MILL, Oldham.
Hinchcliffe, J. (Mason)
Noble & Son, High St. (Joiners)
Platt, E. W. (Painter and Decorator)
Radcliffe & Rowlands
Whitehead, E.

UTLEY, Keighley.
Hillary, W., & Sons (Masons)
Pickles, G. C., Skipton Rd. (Joiner)
Smith, E., & Son (Masons)

WADSLEY BRIDGE, Sheffield.
Bertram, J.
Crowther, T. P.
Nelson, T.

WAKEFIELD.
Abson & Hesling, Charlotte St. (Jnrs.)
Armitage, J., Outwood
Ashton, G., The Grove (Joiner)
Atkinson, S. (R.P.), Calder Vale Rd.
Atkinson, W. J., Commercial St. (Jnr.)
Baines & Taylor, George St. (Pntrs.)
Bagnall Bros., Eastmoor Rd. (Masons)
Batley, G., George St. (Ironfounder)
Blackburn, H., Albion Crst. (Joiner)

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Bramald & Broadhead, Kirkgate (and Joiners)
Bray, H., Portobello Rd. (Brklyr.)
Broadbent & Sons, 160 Kirkgate (Pntrs)
Brooke, J. (R.P.), 9 Cross St.
Cheesborough, J., Stanley, nr. (Jnrs.)
Craggs, T., Howard St. (Joiner)
Crook, G., Henry St. (Joiner)
Crossley, G., Strafford Sq. (Joiner)
Denholm, F. W., & Co., Back Lane (Masons and Bricklayers)
Dennison, C. S., Thornes
Driver, C., St. John's (Plasterer)
Ellis, T., 21 Saville St. (Plumber)
Elvey, E. A., Regent St., Belle Vue
Flower, J. S., & Bros., York St. (Bricklayers and Stonemasons)
Furness, A., E. Ardsley, nr. (Brklr.)
Gillott, H., 9 Cheapside (Plumber)
Goodall, Lister & Goodall, Borough Market (Painters)
Hall, S., Lake Loch Rd., Stanley nr.
Hawes, J. R., Belle Vue
Higgins & Pashley, Brook St. (Msns.)
Hodgkinson, W., Thornes La. (Brklr.)
Holmes, W., Stanley, near (Joiner)
Ibbottson, N., Clarion St. (Joiner)
Illingworth, J. W., York St. (Slater)
Johnson, J., Saville St. (Joiner)
Judge, W., Southgate Works (Joiner)
Kitson, W., & Son, Denby Dale Rd. (Masons)
Lazenby, J., Duke of York St. (Jnr.)
Lee, T., Arundel St.
Lockwood, B., Horbury Rd. (Brklr.)
Lloyd, W., Bank St. (Joiner)
Moss, W. H., King St. (Plumber)
Mountain, G., Teall St.
Mountain, J. & J., Gill's Yard, Northgate (Joiners)
Nicholson, W. H., Duke of York St. (Bricklayer)
Noble, W., Little Bull Yard (Joiner)
Oakes, A., & Son, Westgate (Ironfnds.)
Platts, J. W., Saville St. (Plasterer)
Powell, G., Cross St. (Painter)
Rayner, S., & Son, Southgate (Pntrs.)
Rycroft, C. F., 8 Park St. (Slater)
Senior, T. E., Arundel St. (Plasterer)
Stafford Bros., Market St. (Plbs., &c.)
Squires, C., Sanderson St. (Joiner)
Summers, G., Northgate (Bricklayer)
Turner, C., & Sons, Wood St. (Pntrs.)
Wild, G. F. (R.P.), 184 Kirkgate
Wilson, T. & G., Park Lane
Woodhead, J. (R.P.), Charlotte St.

WARLEY, Halifax.
Mitchell, T., Hoyle Green
Turner, J. (Mason & Bricklayer)

WATH-UPON-DEARNE, Rotherham.
Bramham, A. (Plumber)
Evers, W. W. (Plumber)
Fuller, T.
Metcalfe, J. (Joiner)

WENTWORTH, Rotherham.
Bower, G. (Joiner)
Cooper, W., Lea Brook (Slater)
Sydes, J. (Painter)

Yorkshire—*continued.*

WETHERBY.
Allan, A. S., West End (Joiner)
Crow, C. E. (Joiner)
Illingworth, G.

WHITBY.
Booth, J. Silver St. (Plumber)
Braim, J., Silver St.
Brown, J. & Sons, Well Close Sq. (Plumbers)
Chapman, W., Paddock
Coverdale & Longhorn, Oswy St.
Fletcher, T., Love Lane
Gladstone, J., Westcliff
Harland, R., New Quay
Lennard & Sons, Cliff Street (Joiners)
O'Connor, J., Church St. (Plumber)
Palframan, A., Chubb Hill Rd.
Read, T., Quayside (Joiner)
Russell & Son, Church St. (Joiners)
Smith, B., Silver St. (Joiner)
Stephenson, J., Flowergate (Plmbr.)
White, J., 11 Windsor Ter.
Wilson, R. A., 7 York Ter.
Winterburn, F. W., Iron Hall

WILLERBY, Hull.
Stephenson, N. (Bricklayer)

WILSDEN, Bradford.
Greenwood, S. (Mason)
Hanson, J., Main St. (Decorator)
Hardy & Firth (Masons)

WITHERNSEA, Hull.
Carr, W. H.
Kirkwood, L. (Joiner)
Pickering, J. (Bricklayer)
Sergeant, H. (Joiner)
Wilkinson, W. (Joiner)

WOMBWELL, near Barnsley.
Baines, W.
Boyd, A., 25 Church Street Jump (Painter)
Broadbent, C., Broomhill
Broadbeant, W., Barnsley Rd. (Msn.)
Elliott, H., Station Rd. (Bricklayer)
Elliott, J., New Scarboro' (Joiner)
Hawley, A., Edward Street (Joiner)
Johnson, A., Main St.
Johnson, W., Hawson St. (Mason)
Marrison, A., Barnsley Rd. (Joiner)
Saville, J., Station Rd. (Plumber)
Sharp Bros., Errill Gate (Plasterers)
Snowden, J., & Son (R.P.s)
Taylor, T. A., Bartholomew St.
Ward & Son, Barnsley Rd. (Brklrs.)
Whitehead, J., Station Rd. (Joiner)
Wilson, F. C., High St. (Painter)

WORSBOROUGH, near Barnsley.
Guest, W., Blacker Hill (Mason)
Hammerton Bros. (Jnrs., Plbs., &c.)
Higham & Porter (Masons)
Robinson, F. G., Birdwell

WYKE, near Bradford.
Birkby, H., & Sons (Masons)
Fairburn, Huddersfield Rd. (Mason)

YARM.
Doughty, H., & Sons

YEADON.
Firth, A., Henshaw (Plasterer)
Flesher, W., & Sons
Greaves, F. W. (R.P.), Henshaw
Huby, J. (Mason)
Hustler, W. (Joiner, &c.)
Mitchell, Yeadon & Sons (Masons)
Taylor, J., Ltd. (and Joiners)

YORK.
Anderson, H., 25 Layerthorpe
Anelay & Son, 8 Northern Crescent
Ankers, J., 4 Dove St. (Joiner)
Atken, H., Granville Ter., Hull Rd.
Bailey & Doughty, 10 Cromwell Rd. (Painters)
Barry, T. P., Park Crescent
Bellerby, W., & Sons, Petergate (Ptrs.)
Bellerby, W., Hungate (Joiner)
Birch, F. W., Scarcroft Rd. (Plmbr.)
Birch, J. (R.P.), Blossom St.
Birch, W., Barbican Rd.
Birkill, C., Bishopthorpe Rd.
Biscomb, J. & T. & Sons, Lime St., Hungate
Borwell, J., 23 Layerthorpe
Brown, W., Dringhouses (Joiner)
Chapman, W., 53 Hanover St.
Close, W. C., 42 Scarborough Ter.
Coleman, H., Clifton Green (Brcklr.)
Cooper, J. W., 52 Scarcroft Hill
Dearlove, G., Fetter Lane (Smith)

Yorkshire—*continued.*

Dennison, W., 50 Marygate
Dent, R., Lord Mayor's Walk
Dimmey, W., Scarcroft Rd. (Joiner)
Dixon, J., Heworth (Joiner)
Docking, S., Holgate Rd. (Plumber)
Dodgson & Son, Alexandra Ter., Bishopshill (Slaters)
Dodsworth, J., & Sons, 27 Micklegate (Painters)
Douglas J., Fountayne St.
Ellerby, R., Haxby Rd.
Farrow, H., Monkgate (Joiner)
Gladin, W. J., Castlegate (Plumber)
Gray, G., 9 Eastern Ter. (Plasterer)
Gray, R., 4 Priory St. (Joiner)
Grimes, W. T., Oxford St.
Hall, G., Cromwell Rd. (Mason)
Hardgrave, J., Skeldergate (Slater)
Harrison & Co., Aldwark
Hartley & Ashby, Blake St. (Painters)
Hetherington, E., Scarcroft Hill
Hick & Hobson, 8 Little Stonegate (Joiners)
Hodgson, T. G., 12 Grape Lane, Petergate (Plumber, &c.)
Hodsman, J., Lower Eldon Street
Hopkins, H., 37 Petergate (Plumber)
Keswick & Sons, 35 Blossom St.
Key, J., Piccadilly (Joiner)
Kilvington, G. H., 10 Stonegate
Lupton, J. (R.P.), Monkgate
McLaren, W. F., Shipton St.
Mansfield, G., Harts Ter. Layerthorpe
Martin, C., Longfield Ter., Bootham
Moss, G., 24 Lawrence St.
Moyser, T., & Son, Monkgate (Plbrs.)
Naylor, G., Union Ter. (Bricklyr.)
Nicholson Bros., Barton-le-Willows
Oxtoby, T. M., Fawcett St. (Painter)
Parker & Sharp, Peasholme Green
Pearson, R., Goodramgate (Painter)
Pickering, S., 31 Rosslyn St.
Plows, J., St. Maurice Rd. (Mason)
Pottage, E., Holgate Rd. (Joiner)
Rawling, F., & Sons, Swinegate (Plasterers)
Rawling, T., 42 St. Andrewgate
Shepherd, F., Leadmill Lane
Sherry, R., Emily St., Hull Rd. (Slater)

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Plumber,
Glazier and Gasfitter,
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Smithers, H., 13 Blossom St. (Joiner)
Smithson, H., Micklegate (Joiner)
Snowdon, G., Penley Grove St.
Spence, G., Layerthorpe (Bricklayer)
Swalwell, J., Clarence St. (Mason)
Thomas, J., 50 Stonegate (Painter)
Tomlinson-Walker, W., Victoria Ironworks, Walmgate
Thompson, J., Nunnery Lane (Mason)
Tindall, G. & T., Fishergate (Plbrs).
Tinson, J., 55 Monkgate (Bricklayer)
Turner, H. E., Lawrence St.
Underwood Bros., Petergate
Usher, W., Hull Rd. (Joiner)
Walker, G., 17 Little Stonegate
Watson, E., Lowther St. (Bricklayer)
Welburn, T., 4 Blake St. (Painter)
Wood, J. T., 11 Nunthorpe Rd.
Wood, R., Gillygate (Plumber)
Wood, W. H., Burton Lane.

3. Scotland.

ABERDALGIE, Perth.
Beveridge, J. & D. (Masons)

ABERDEEN.
Adam, A., & Co., Hutcheon St. (Slaters)
Aitken, A., & Sons, 335 Union St. (Painters)
Anderson, A., 5 Argyll Pl. (Mason)
Anderson, J. F. (R.P.), 23 Bridge St.
Bannochie, J., & Sons, 19 Belmont St. (Plasterers, Tile Fixers, &c.)
Beattie, R., & Sons, Holland St. (Masons)
Bisset, P., & Son, Willowdale Place, West North St. (Masons)
Blaikie, J. & Sons, Littlejohn St. (Plumbers)
Bryce, H. & J. (R.P.), 24 Upper Kirkgate
Burnett & Low, Novar Pl. (Crpntrs.)
Clark & Donaldson, 23 Princes St. (Carpenters)
Copland, E., 85 Rosemount Viaduct (Painter)
Copland, W. C., & Co., 9 Broadford Place (Slaters)
Coutts, W., & Sons, 216B Union St. (Painters)
Coutts, W., & Son, 18½ Chattan Pl. (Slater)
Currie, G., & Co., 31 Gilcomston Park (Slater)
Davidson, G., Junr., 8 Thistle St. (Slater)
Dawson, W., 74 Huntly St. (Carptr.)
Dean, J., 32 Queen St. (Plumber)
Donald, G., & Sons, 16 Netherkirkgate (Painters)
Duguid, G., & Son, Kintore Place (Masons)
Durnin, J., 15 Canal Place (Slater)
Farquhar, G., 66 Union Row (Slater)
Farquharson, W., Fraser Rd. (Mason)
Ferguson A., & Co., 4 Alford Pl. (Ptrs.)
Forbes, W. 35A Chapel St. (Cptr.)
Fotheringham, R., 132 Hutcheon St. West (Plumber)
Fyfe, J. & S., 11 Dee St. (Painters)
Gall & Walker, 45 Richmond St. (Msns)
Garvie, J., & Sons, 234 & 236 Union St. (Painters and Glass Stainers)
Garvie, J., & Sons, 55 Rose St. (Carpenters & Carvers)
Gauld, E., Gilcomston Pl. (Mason)
Gauld, J., Gilcomston Park (Mason)
Gill, J., 74 Woolmanhill (Carpenter)
Gordon, C., 82 Powis Place (Mason)
Gordon & Watt, 39 and 41 Woolman Hill (Painters)
Greig & Craib, 16 Broomhill Rd. (Msns.)
Hall, A., 21 Mid Stocket Rd. (Cptr.)
Hall, G., Back Hilton Rd. (Mason)
Harper, A. & Sons, 13 Summerfield Ter. (Slaters)
Harper, J., 26 S. Constitutn. St. (Sltr.)
Henderson, J., 25 Summer St. (Cptr.)
Hendry & Keith, 21 Gilcomston Park (Carpenters)
King & Milne, 49 Maberley St. (Cptrs.)
King, J., & Co., 27 Fraser Place (Masons)
Law, A., 162 Broomhill Rd. (Slater)
Leslie & Hay, Fraser Rd. (Carpenters)
Lyall, G., Sth. Esplanade W. (Cptr.)
Macandrew, D., & Co., 120 Loch St. (Carpenters)
McDonald, J. M., South Esplanade West (Slater)
McRobbie & Milne, 5 Albert Place (Carpenters)
Maitland, C., & Son, 171 Union Grove (Slaters)
Martin, A., 50 Leadside Rd. (Slater)
Mason, J., & Son, 36 & 38 Queen St. (Painters)
Mercer, A., 72 Ashale Place
Merson & Stewart, 70 Loch St. (Sltrs.)
Milne, A., & Sons, Bonnymuir Place (Masons)
Morgan, J., 76 Charlotte St. (Mason)
Murray, A., & Son, 13 Summerfield Terrace (Slater)
Ogilvie, D., 30 Chapel St. (Plumber)
Philip, W., 76 Huntly St. (Painter)
Reid, R. & J., 120 Bonacard St. (Cptrs.)
Robb, A. L., 15 Rosebank Terrace Ferryhill (Carpenter)
Robertson, A. B., & Son (R.P's.), 260 Union St.
Roger & Baxter, Summer St. (Plstrs.)
Ross, J. T., 69 John St. (Plumber)
Scott, J., & Son, 205 George St. (Plasterers & Tile Fixers)
Sellar & Co., 116-120 John St. (Plasterers and Tile Fixers)
Sharp, A., & Sons, 4 Rose St. (Pntrs.)
Simpson, S., 168 Holburn St. (Carpr.)
Simpson, J. (R.P.), 200 Holburn St.
Simpson, W. (R.P.), 446 Union St.
Smith, L., 77 Skene Sq. (Mason)
Smith, R., Back Hilton Rd. (Mason)
Stephen, A., 380 George St. (Plasterer)
Stephen, J., & Son, 25 Summer St. (Plasterers)
Stewart, P. (R. P.), 2 Blackfriars St.
Thom (R.P.) & Strachan, 62 Windmill Brae
Walker, J., 218 Holburn St. (Carptr.)
Watson & Robb, 44 Spring Garden (Carpenters)
Watt, M. & Co., 3 Marischal St. (Painter)
Whyte, J., 412 Union St. (Painter)
Williamson, J., Huntly St. (Painter)
Wishart, I., 6 Affleck St.
Worling, J. (R.P.), 8½ Schoolhill
Worling, J. (R.P.), 192 Gallowgate

ABERDOUR, S.O
Lyon, L. (Carpenter)
Moyes, J. (Mason)
Sinclair, J. (Carpenter)
Stewart, W., & Sons (Slaters)

ABERFELDY.
Cameron, C. & A., Acharn, Kenmore
Cameron, J. (Joiner)
Campbell & Munro (Masons)
Dalgleish, G., (Painter)
Duff, W., Strathlay (Mason)
Macdougall, J. (Plumber)
McFarlane, J., Killier (Plasterer)
Maclean, R. & Co. (Masons)
Menzies, A. & J. (Plumbers)
Reid, D. R. (Joiner)
Robertson, A. (Slater)
Simpson, J. (Painter)
Scott, J. (Plasterer)

ABINGTON.
Kerr, G. (Joiner)
Lithgow, J. (Slater & Plasterer)
Marchbanks, T. (Joiner)
Tonner, J. (Mason)

AIRDRIE.
Aitken, J. & R., 16 & 18 Forsyth St.
Anderson, J., Qn. Victoria St. (Mason)
Angus, W., Halleraig St. (Joiners)
Alexander, J., Mossdale Cottage, (Mason)
Armour, T., Graham St. (Painter)
Baird, W., Chapelhall (Joiner)
Barr, W., 30, High St. (Painter)
Bell, A. W., Mavisbank (Plasterer)
Black, A., S. Nimmo's La. (Plasterer)
Callander, J., Stirling St. (Plumber)
Connor, J., S. Bridge St. (Painter)
Eadie, R., Graham St. (Joiner, &c.)
Ferguson, G., E. High St. (Plumber)
Frew, J., Bore Rd. (Mason)
Gardner, J., Plains by Airdrie (Smith)
Henderson, W. A., Victoria Pl. (Sltr.)
Hunter, R., Louden St. (Plumber)
Louden, T., & Sons, 100 High St. (Jnrs.)
McCracken, R. & Sons, Aitchison St. (Brickbuilders)
Paterson, R., & Sons, 35 Chapel St. (Masons)
Rankine, D., Stirling St. (Plumber)
Reid, J., Londen St. (Plumber)
Riddell, R., Stirling St. (Painter)
Shanks & Motherwell, Anderson St. (Joiners)
Shanks, W., & Sons (Joiners)
Spence, J., & Sons (R.P.), Stirling St.
Thom, M., & Co., Broom Knoll St. (Slaters and Plasterers)
Watson, J. & J., Victoria Pl. E. (Mns.)
Young, James (Mason)

ALEXANDRIA.
Bell, P., jun., 41 Bridge St. (Plmr.)
Bisland, R., 41 Bridge St. (Mason)
Campbell, M. (Brickbuilder)
Donnelly & Kennedy, Statn. St. (Pltrs.)
Gillies, J., Albert St. (Joiner)
Graham & McLaren, Bank St. (Jrs.)
Howie, D., John St. (Slater)
Irvine, A., John St. (Slater)
McCallum, P., Overton St. (Mason)
McIntyre, W., & Sons, 166 Bank St. (Plumbers)
O'Connor, J., Overton St. (Slater)
Paton, J. A., 200 Bank St. (Mason)
Shearer, J., Bridge St. (Joiner)
Taig, T., 85 Main St. (Plumber)
Taylor, W., 89 Bridge St. (Joiner)

ALLANTON-BY-CHIRNSIDE.
Gibson & Dickson
Patterson, J.

ALLOA.
Abercrombie, R. G., Broad St. (Engr.)
Alloa Iron Co. (Ironfdrs.)
Alloa Glazing Co., Primrose St.
Archibald, J., Shillinghill (Painter)
Arnott, P., Drysdale St. (Painter)
Bremner, T., North Castle St. (Sltr.)
Brown, T., & Son, Erskine St. (Msns.)
Cairns, R., Sunnyside (Joiner)
Cousin, G. & R., Ludgate (Masons)
Davie, J., King St. (Slater, &c.)
Grant, J., Greenfield Pl. (Slater, &c.)
Gray, J. B., 14 Drysdale St. (Pntr.)
Hall, J. & Son, Drysdale St. (Joiner)
Henderson, D., Ludgate (Joiner)
Johnman, G., Primrose St. (Painter)
Laurie & Co., Direlton Gdns. (Mason)
Lowe, D., Mill St. (Slater and Plstr.)
Lowe, J., & Son, Mar Place (Slaters)
McDougall, J., Drysdale St. (Plbr.)
McEwan, R. N., Bank St. (Painter)
McFarlane, R. & Son, Mar Pl. (Slater, &c.)
McMillan, W., & Son, 34 Mar St. (Jrs.)
Melvin, R. (Ironfounder)
Mitchell, A., & Son, 14 Candle St. (Joiners)
Pearson & Ramage (Ironfounders)
Philp, J., Shillinghill (Plumber)
Robertson, J. & Son, High Street (Painter)
Robertson, R., Jamaica St. (Joiner)
Smith, A., Erskine Place (Joiner)
Smith, A. (R.P.), 11 Mill St.
Thomson, J., Ochil St. (Mason)
Willison, R., Broad St. (Plumber)
Young & Harrower, King St. (Joiners)
Young, J., Drysdale St. (Plumber)

ALNESS, S.O.
Logan, R. (Mason)
Reid, A. (Plasterer)
Ross, J. (Carpenter)

ALVA.
Bean, J. A. (R.P.), Stirling St.
Dawson, D., Stirling St. (Plumber)
Ford, J. (Joiner)
Kay, D., 49 Johnstone St. (Joiner)
Plenderleith, G. (Joiner)
Walker, J., Queen St. (Slater, &c.)
Williamson & Co. (Masons)

ALYTH.
Ferguson, J., Bank St. (Joiner)
Ferguson, T. (R.P.)
Howie, J., Jun., Airlie St. (Mason)
Mitchell, A., St. Andrew St. (Plastr.)
Sidey, W., David St. (Plasterer)
Smart, J., Old Bridgend (Joiner)
Stewart, P., Commercial St. (Pntr.)
Symington & Son, Airlie St. (Pntrs.)
Templeman, W., Tonlie St. (Plumber)
Torbat, R., Glenisla (Mason)
Walker, J., St. Andrew St. (Slater)

ANNAN.
Duff, T. (Plumber)
Ker, H., & Son, Butts St.
Laidlaw, G., 28 Charles St. (Plastr.)
McCulloch, J., 86 High St. (Painter)
McIldowie, G., 4 Charles St.
Miller, J., & Son (R.P.)
Richardson, J. (Slater)
Rutherford, J. (Joiner)
Thomson, W., Church St. (Plastr.)
Tweedie, A., & Sons, Lady St. (Jnrs.)

ANSTRUTHER.
Brown, W., Castle St. (Joiner)
Clark, D., East Green (Plumber)
Gray & Pringle, High St. (Plumbers)
Hutton, D., & Co. (Plumbers)
Lawrie, J. & D. (Masons)

ARBROATH.
Brand, W. & Son, Dishland St. (Slater)
Calder Bros., 82 Keptie
Christie & Anderson, East Mary St. (Masons)
Cook, D., & Son (R.P.), High St.
Dargie, A., 4 Dishland St. (Painter)
Farquhar, R. C., Hill Place (Joiner)
Fife, A., Lindsay St.
Grant, T. R. (R.P.), Brothock Bridge
Grant, W.L. & Son, High St. (Pntrs.)
McLaren & Nairn, Colloden Rd.
Middleton & Donald, Lindsay St. (Plasterers)
Mitchell, J., & Sons, Panmure St. (Slaters)
Ramsay & Gordon, Fergus Sq.
Rayne, G. (R.P.), 76 Guthrie St.
Rayne, J. (R.P.), West Abbey St.
Reid, A., Lordburn (Mason)
Robertson, J., 24 Millgate (Joiner)
Savege, T., High St. (Painter)
Scott, A., Keptie St. (Joiner)

ARDROSSAN.
Allison, J. R., Hill Place (Slater)
Barbour, Montgomery St. (Joiner)
Gibson, W., Glasgow St.
Hogarth, J. & Co., Princes St. (Pbrs.)
Inglis, J., Anderson Terrace
Lambert, J., Glasgow St. (Plbr,)
McLean, J., Glasgow St.
Smith Bros., Eglinton St.
Stewart, J., Hogarth Lane (Joiner)
Wallace, H., Barr St.
Wilson & McLean, Princes Lane

ARRAN, Isle of.
McGill, J. C.

AUCHTERARDER, Perth.
Anderson, P., Herriter St.
Hopson, R. (Plasterer)
Jamieson, J. H. (R.P.), High St.
McLaren, J.
Maler, J., & Son (Slaters)
Martin, J. (Joiner)
Miller, J. (Joiner)

AULDGIRTH.
McNaught, R., Burnhead
Waugh, R. McCubbington (Mason)

AULTBEA, S.O.
Forbes, G. (Mason)

AVOCH, S.O.
Chisholm, K. (Painter)
Gray, D. (Carpenter)

AVONBRIDGE.
Forrester, A. M.

AYR.
Allan & Co., 125 Main St. (Joiners)
Auld, W., & Sons (R.P.s), 70 Sandgate
Bone, D. & T., 17 Queen St. (Plstrs.)
Campbell, D., Arcade, Townhead (Mason & Joiner)
Clarke, W., 43 Sandgate St. (& Jnr.)
Dalrymple, A., 115 High St. (Plbr.)
Dick, D., 28 Princes St. (Mason)
Drinnan (R.P.) & Murphy, 78 George St. (& Slaters)
Drinnan, J., 30 Wallace St. (Joiner)
Drinnan, J. & W., 116 George St. (Jrs.)
Fergusson, G., 115 High St. (Joiner)
Forrest, J., 41 George St. (Joiner)
Fraser, J., 175 High St. (Plumber)
Gardner, T., W. Sanquhar Rd. (Brklyr)
Glen, M., Princes St. (Plasterer)
Highet, J. C. (R.P), 10 Alloway St.
Highet, W., & Son (R.P.s), Fort St.
Hunter, W., 110 New Rd.
Hutchison, R., 48 Prestwick Rd. (Bk r.)
Kirkland, D., Union Bldgs. (& Jnr.)
Leggat, J., & Sons, Nelson St. (Pltrs.)
Lyon, A. (R.P.), 43 Sandgate
McCreath, J., Fullarton St. (Joiner)
McIlwrath, Cowan, & Co., Newmarket St. (Plumbers & Slaters)
McIntyre, J., 83 Wallace St. (Joiner)
McLachlan, A., & Son, 76 Dalblair Rd. (and Joiners)
Meikle, J. & D. (& Joiners)
Meikle, J., River St. (Slater, &c.)
Miller, W., Kyle St. (Plasterer)
Milligan, D. & J., 46 Kyle St. (Jnrs.)
Milligan, D., Smith St. (Joiner)
Murchie, A., 10 George St. (Plbrs)
Murchie, J., 105 High St. (Slater & Plumber)
Paton, W., 19 Kyle St. (Mason)
Ramsay, W., Sandgate St. (Joiner)
Reid, A., & Sons, 215 High St.
Stevenson, R., Viewfield Rd.
Tyrie, A., 229 High St. (Plumber)
Vass, W. A., 25 Fort St. (Plasterer)
Watson, W., & Son, 18 Mill St.
Wyllie, A., & Son, Castlehill Rd.

AYTON.
Henderson, J.
Heron, J. (Joiner)
Patterson, W.

BALERNO, Midlothian.
Fairbairn, D. B.

BALLACHULISH, S.O., Oban.
McInnes, J. (Mason and Joiner)

Scotland—*continued.*

BALLINTUIM, Blairgowrie.
Reid, J. (Joiner)

BALLOCH.
Davidson, W. (Joiner)

BANFF.
Bramner, G. (Plumber)
Chalmers, A., Castle St. (Painter)
Christie, J. & J., Fife St. (Carpenters)
Donaldson, J., St. Catherine St. West (Mason)
Gibson, J., Old Market Pl. (Plasterer)
Hutcheson & Co., Bridge St. (Sltrs.)
Innes, C., & Co., Castle St. (Painters)
Laird, J. G., Clunie St. (Slater)
Levenie, W., Boyndie St. (Carptr.)
Murdoch, A., Fife St. (Carpenter)
Strachan, A. (R.P.), Bridge St.
Watt, F., High St. (Painter)
Watson, H. J., Castle St. (Plumber)
Wilson, A. W., St. Catherine St. (Sltr)

BARRHEAD.
Houston, H.
Livingstone, R., Cross Arthurlie (Plbr)

BATHGATE.
Binnie, Thomas
Fleming, J. & W.
Hamilton, J.
Roberts, W., & Sons
Spiers & Sons

BEAULY.
Macdonald, J. (Painter)
Maclean, W. (Slater)
Macrae, H. (Carpenter)
Robertson, K. (Mason)
Urquhart, F. (Plumber)

BEITH.
Fulton, J., New St.
Holms & Logan (Joiners)
Snodgrass, R., & Son, Eglinton St.
Stevenson, J. (Slater)

BELLSHILL.
Bryson, J., Main St. (Plumber)
Greig & Allan, Main St. (Joiners)
Harvie, E. H. (Joiner)
Law & McFarlane, Calder Rd. (Pntrs.)
McWhinnie, H., West End (Joiner)
Neilson, H., Motherwell Rd. (Plbr.)
Porter, R., & Son, Main St. (Masons)
Prentice, W., Main St. (Painter)
Rankine, J., Gibson's Land (Plbr.)
Scott, T., Main St. (Joiner)
Wotherspoon & Grant, West End (Joiners)
White, L. B., & Co., Main St.
Williamson, W., & Son, North Rd. (Plumbers)
Young, J., Nelson St. (Slater)

BELLSIDE, Motherwell.
Millie, R.

BIGGAR.
Aitken, M., & Son (Slaters)
Black, J. R. (Joiner)
Brown, T. (Joiner)
Glaister, A. (Slater and Plasterer)
Graham, J. B., Symington (Mason)
Harlan, T. (Painter)
Hope, A. (Mason)
Kerr, G. (Mason)
Lindsay Bros. (Painters)
Masterton, J. (Mason)
Proctor & Weir (Plumbers)
Ross, H. (Joiner)
Stephen, J. (R.P.), & Sons
Stringer, G. (Painter)
White, A. (Joiner)
Whitfield, I. (Plasterer)

BLACKFORD.
M'Cleary, W. G. (R.P.)
Taylor & McGregor (Joiners)

BLAIRGOWRIE.
Bell, J., George St. (Plasterer)
Beveridge, D., Commercial St. (Sculptor)
Brough, T., Newton St. (Joiner)
Burton, J., Leslie St. (Painter)
Craigie, R., George St. (Slater)
Donald, P. K., & Son, 26 Leslie St. (Painters)
Doig, T., Balmoral Rd., Rattray (Jnr.)
Duncan A. R. & Son, Old Rattray (Slater)
Farquharson, C., Rattray (Mason)
Fraser, J. S., & Son, Rattray (Ironfdrs.)
Herraghty, P., Rattray (Plasterer)
Hill, A., Emma St. (Mason)
Kidd, G. P. (R.P.), High Street
Kidd, R. (R.P.), Upper Allan St.
Laird, J. C., Emma St. (Plumber)
Leith, H., & Son, Reform St. (Sltrs).
McLeish, J., Rattray (Mason)
McRitchie, J. F., Mitchell Sq. (Jnr.)
Robertson, W. T., Victoria Pl. (Joiner)
Sim, A. & Son, Rattray (Joiner
Slater, J., Reform St. (Smith)
Smith, J., 54 High St. (Painter)
Steven, T., & Son, 2 Newton Pl. (Jnrs.)

BLANTYRE, HIGH.
Adams, W. (Joiner)
Aitkenhead, R., & Son (Masons)
Allan, J. (Plasterer)
Easson, J. (Plumber)
Warnock & Walker (Joiners)
Wright & Adam (Masons)

BONAR BRIDGE.
Macgregor, D., High St. (Mason)
Ross, H., High St. (Joiner)

BO'NESS.
Anderson, C. (R.P.)
Ballantine & Duguid (Joiners)
Carlin, M. (Bricklayer)
Drysdale, R., & Son
Dymock, J. (Plumber)
Hardie, J., & Co.
Kilpatrick, R. (Plasterer & Slater)
McKerracher, J. (R.P.)
Peattie, T.
Reedie, D. (Joiner)
Simpson, R. (Joiner)
Stirling, R. (Joiner)
White, J. (Joiner)

BONHILL.
Menzies, T. & J. (Painters)

BONNYBRIDGE.
Menzies, J. (Joiner)
Stewart, D.

BONNYRIGG.
Ketchen, R.
Steven & Stoddart (Joiners)

BOTHWELL.
Miller & Renwick (Masons)

BOWMORE.
McGilvray Bros. (Masons)

BRECHIN.
Bisset & Douglas, 50 City Rd. (Blacksmiths)
Black, W., & Son, City Saw Mills
Bruce, W., Southkirk St. (Painter)
Bruce, W., Southkirk St. (Joiner)
Crabb, D. A., Eastbank (Mason)
Crocket, A., Montrose St.
Davidson, A., River St. (Blacksmith)
Dures, J., Damacre Rd. (Joiner)
Edwards, Jas., 40 Union St. (Plbr.)
Ferguson & Carver, St. Martin's Lane (Plumbers)
Fraser, W., 29 City Rd. (Slater)
Gibson, J., Clerk St. (Plasterer)
Gordon & Ross, Union St. (Mason)
Kinnear, J., & Son (R.P.), Market St.
Middleton, C., & Son, 32 Market St. (Plumbers)
Middleton, J. C., Swan St. (Painter)
Ogilvie, G., Montrose St. (Joiner)
Oswald, J., Jun., Damacre Rd. (Blacksmith)
Rough, A., Park Rd. (Mason)
Scott, J., Clerk St. (Slater)
Sherrett, D., 6 Clerk St. (Blacksmith)
Thomson, C., Eastbank (Plasterer)

BRIDGE OF ALLAN.
Cramp, J., Coneyhill (Joiner)
Drysdale, A. (Joiner)
Gray, J., & Sons (Slaters & Plastrs.)
Henderson, J., Union St. (Joiner)
McArthur & Campbell, Coneyhill
McEwen, D., Keir St. (Joiner)
Mackay, R. (Plumber)
McGregor & Cudien (Joiners)
Morrison, A. (R.P.)
Nairn, H. (Slater and Plasterer)
Robertson, H. (R.P.), Bath House
Rose, T. & R. (Painters)

BRIDGE OF CALLY, Blairgowrie.
Keay, J., Netherton (Joiner)

BRIDGE OF EARN.
Barlas, J., Pitkeathly (Mason)

BRIDGE OF WEIR, S.O.
Houston, R. (Mason)

BRORA.
Grant, G. (Slater)
Murray, A., & Co. (Masons)
Murray, G. F. (Joiner)

BROUGHTY FERRY.
Adamson, A., Church St. (Slater)
Archer, J., King St. (Mason)
Brand, W. & Son, St. Vincent St. (Slaters)
Brown, T. M., & Co., 181 Brook St. (Electricians)
Bruce, J. C. (Painter)
Coullie, D. & J. (Joiners)
Dick, T. S., Laurel Grove (Mason)

Scotland—*continued.*

Easton, T., and Co. (Slaters)
Ellis, J. C., 93 Brook St. (Joiner)
Gillies, A., Jun., St Vincent St. (Msn.)
Grant, Jas., 160 Brook St.
Hogg & Sons, Union St. (Slaters)
Kennedy, W., 298 Brook St. (Pntr.)
Laburn, J., Brown St. (Plasterer)
Laurie, R. F., King St. (Joiner)
Mackay, G., Monifield Rd.
McLeod & Gray (R.P.), Brook St.
Meek, A., & Son, 107 Brook St. (Glzrs.)
Murray, W., & Sons (R.P.)
Norwell, J., 70 Fort St. (Painter)
Paton & Fairweather (Joiners)
Scott, J., Brook St. (Mason)
Smith & Beats, 52 Church St. (Plbrs.)
Suttie, J. & P., Pine Place (Joiners)
Suttie, Bros., Union St. (Joiners)
Webster, W., 111 Brook St. (Painter)

BROXBURN, West Lothian.
Forsyth, A. (Joiner)
McGavin, J. (Joiner)
Paris, W., Jun. (Slater & Plasterer)
Paterson, G.
Ralston, A. (Joiner)

BUCKHAVEN, S.O., Buckie.
Nicol, W. (R.P.)

BUCKIE.
Milne, A. (Mason)

BURNTISLAND.
Anderson, W. (Plasterer)
Crow, W. (Plumber)
Henderson, T. (Joiner)
Jackson & Son (Masons)
Pitkethly, D. (Mason)
Waddell, A. (Joiner)
Williamson, J. (Slater)

BUSBY, Glasgow.
McKerracher, W., Drummond Pl., Sheddens (Mason)

CALLANDER.
Collier, G. (Mason)
Dow, J. (Joiner)
Drysdale, A. (Mason)
Duncanson, J. (Joiner)
Ferguson, P. & J. (Masons)
Henderson, J. (R.P.), Main St.
McAlpine, W. (Slater)
Macfarlane, P., & Sons (Slaters)
Macniven, D., & Sons (Joiners)
Rogers, J. (Joiner)
Russell, W. (R.P.)
Smith, J. (Joiner)

CAMPBELTOWN.
Ferguson, N., & Son (Masons)
Weir, R., & Sons, Longrow

CAMBUSLANG.
Britton Bros., Main St. (Painters)
Brownlee, S., Main St. (Joiner)
Chalmers, G. (R.P.), Main St.
Clark, R., Morrison St. (Slater)
Ferguson & Smith, Morrison St. (Joiners)
Frame, D., Hamilton Drive (Mason)
Kemp, A., Main St. (Painter)
Mitchell, J., Main St. (Smith)
Murray, H., & Co., Smerville Rd. (Plasterers)
Pettigrew, —, Main St. (Joiner)
Rankin, G., Main St. (Plumber)
Sproul, R., Bank St. (Brickbuilder)
Stewart, D., Cadzon Drive (Mason)
Struthers, —, Holepark (Joiner)
Taylor, A., Rosebank St. (Plumber)
Train, J. & J. (Masons)
Watson & Aird, Toll Park (Joiners)

CAMELON-BY-FALKIRK.
Abercrombie, J. B. (Mason)
Campbell, G. (Plumber)
Campbell, J. (Joiner)
Gilchrist & Packman (Joiners)
Proudfoot, G. (Painter)
Scott, W., & Son (Masons)

CARDROSS.
Camlin, W. (Mason)
Graham, J. (Joiner)
Mac Nab, P. (Mason)
McRae, A. & J. (Joiners)

CARLUKE.
Black, J., Kirkton St. (Sltr. & Plstr.)
Brooks, D. T., Hamilton St. (Pntr.)
Bryce, T., Kirkton Av. (Mason)
Cassels, T., High St. (Plumber)
Harvie, A., High St. (Painter)
Hislop, J., Market Place (Plumber)
McEwan, J., Cassels St. (Plumber)
Martin & Symington, Glenburn (Masons)
Martin, W., School Lane (Joiner)
Milligan, S., Clyde St. (Painter)
Pettigrew, T., & Co., (Joiners)
Russell, J. S., High St. (Slater, &c.)
Russell, W., Market Rd. (Slater)
Shirlaw, J., Market Place (Joiner)
Weir, W., Market Rd. (Mason)

CARNOUSTIE.
Anderson, J. (R.P.), Fox St.
Black, A., & Son (Masons)
Edward & Ramsay (Joiners)
Farquharson, J. B., High St. (Plbr.)
Robertson & Black (Masons)
Watt & Son, East Path (Joiners)

CASTLE DOUGLAS.
Brodie, M. McC., St. Andrew St. (Painter)
Charteris, W. B., King St. (Painter)
Clark, D., Cotton St. (Slater)
Dobie, A. D., King St. (Plumber)
Drummond, P., & Son, King Street (Plumbers)
Grierson, R., & Sons, Craigroyston (Masons)
Grindall, W., Queen St. (Plumber)
Herries, J., King St. (Slater)
Howard, J., & Sons (Joiners)
Jamieson, W., Hamilton Pl. (Mason)
Locke, R., Queen St. (Mason)
Low, J. (R.P.), King St.
Macauley, W., Queen St. (Painter)
McNaught, J., Cotton St. (Joiner)
McNaught, R., Dumfries Rd. (Plstr.)
McNaught, W., [illegible] (Joiner)
McQueen, J., Academy St. (Painter)
McVane, R., King St. (Joiner)
Montgomery, J., Academy Pl. (Plstr.)
Smart & Austin (Masons)

CATRINE.
Reid, G., & Son

CELLARDYKE, Anstruther.
Clark, J., Ellice St. (Mason)
Williamson, J., Forth St. (Joiner)
Williamson, R. (Slater & Plasterer)

CHIRNSIDE.
Fortune, W. (Slater &c.)
Jeffrey, W. & J. (Joiners)

CLATT, Kennethmont.
Anderson, D. (Carpenter)

CLYDEBANK, Glasgow.
Kirk, L. (Painter)
Latts & Son (Slaters)

COATBRIDGE.
Anderson Bros., Main St. (Smiths)
Anderson & Currie, Whifflet St. (Plbr.)
Bain, W., & Co., Whifflet (Joiners)
Bain, W., & J., Burnbank St. (Jnr.)
Baird, R., Main St. (Plumber)
Bauchop, J., East Canal St.
Barr, W., 20 St. John St. (Painter)
Bell, R., Sheepford (Lather)
Bryce, J., Coltswood Rd. (Plumber)
Bryson, T. M., 315½ Bank St. (Slater)
Cullen, T., Whifflet St. (Plumber)
Currie, W & R., Whifflet St. (Plstrs.)
Dow, J., Dunbeth Rd. (Smith)
Galloway, W., Main St. (Slater)
Gibson, A., Church St. (Painter)
Gibson, W., Academy St. (Painter)
Gilchrist, A., Weir St. (Mason)
Gilchrist, J., Lugar St. (Brkbldr.)
Hewitt, R., Bank St. (Joiner)
John, J., B., 3 Canal St. (Plumber)
Kean, J., Bank St. (Painter)
Kerr & Co., Bank St. (Plumbers)
Kirk, D. (R.P.), 6 & 8 Bank St.
Lithgow, T., 21 Lugar St. (Lather)
Loudon & Inglis, Calder St. (Msns.)
Love, J., Main St. (Plumber)
McLeod, A. K., Sunnyside Rd. (Ptr.)
McOwat, J., & Co., Russell Colt St. (Slaters and Plasterers)
McOwat, W. C., Baird St. (Slater)
Mills, J. & R., Summerlee St. (Joiners)
Murray, W. & P., 42 Bank St. (Jnrs.)
Naismith, J., Baird St. (Plumber)
Neilson, W., Dundyvan Rd. (Joiner)
Pettigrew, J., Water St. (Mason)
Purdie, W., Turner St. (Mason)
Riddell, R., Main St. (Painter)
Robertson, J., Bank St. (Joiner)
Robertson, J., Laurelbank Ter., Dundyvan Rd. (Brickbuilder)
Spence, J., & Sons, Main St. (Plbrs.)
Spittal, J., Junr., Newlands St. (Joiner)
Swan, W., Main St. (Painter)
Symington, H., Bank St. (Mason)
Symington, H., & Sons, 6 Ross St. (Masons)
Taylor, P., 87 Bank St. (Plumber)
Thom, M., & Co., Bank St. (Slaters)
Thom, T. & W., Dundyvan Rd. (Painters)
Twaddle, J., East End (Joiner)
Watt, Johnston & Co., Whittington St. (Smiths)
Watt, T., & Sons, Bank St. (Smiths)
Williamson, J., & Co., Whittington St. (Plasterers & Slaters)
Wilson, J., & Son, Main St. (Ptr.)
Wood & Wilson, Bank St. (Joiners)

Scotland—*continued.*

COLINSBURGH.
Aitken, T. (Plumber)
Ramsay, J.
Young, J. (Joiner)

COMRIE.
Carimichael, S. (Carpenter)
Comrie, P., & Sons (Carpenters)
Donaldson, D. (Painter)
McCowan, J. (Mason)
McLarin, C. (Slater & Plasterer)
Mills, P. (Painter)
Sharp & Slather (Masons)

CONON BRIDGE, S.O.
Fraser, J. (Carpenter)
Gair, J. & T. (Carpenters)
Macrae, D. (Mason)

CORSTORPHINE.
Beach, T. W., St. John's Rd.
Dick, R., Hope St. (Slater & Plstr.)
Duncan, D. M., Kirk Loan
Lister, W., Manse Rd.
Patterson, J., Manse Rd. (Mason)
Samuel, W., Manse Rd. (Mason)
Smith, C. S., St. John's Rd. (Joiner)
Wight, J., Manse Rd. (Joiner)

COUPAR ANGUS.
Adam, J., Hay St. (Joiner)
Bruce, J., Causeway End (Mason)
Clark, T., George St. (Plumber)
Doig, D. & J., (Plumbers)
Donaldson, P., George St. (Plasterer)
Laing, R. & J., High St. (Plumbers)
McDonald, G., & Son (Joiners)
Pitkeathly, J. (Mason)
Reid, D., Elmslie (Mason)
Robertson, C., Queen St. (Painter)
Robertson, D., Burrelton (Mason)
Ross & Wallace (Joiners)
Scott, W., Burrelton (Joiner)

COWDENBEATH.
Binning, W., & Son (Plumbers)
Miller, J., & Sons, Park Pl. (Masons)
Paul, J., & Son (Slaters & Plasterers)
Stein, R. (Joiner)
Street, W. B., 21 Park Av.
Wilson, A. (Mason and Bricklayer)

CRAIGELLACHIE.
Dunbar, A. and R. (Carpenters)

CRAWFORD, Abington.
Marchbanks, T. (Joiner)
Murray, R. & J. (Masons)

CRIEFF.
Anderson, C. (R.P.), 2 Marshall Pl.
Brown, J. (R.P.), The Cross
Edwards, T. (Painter)
Gorrie, J. (Plasterer)
McRobbie R. (Mason)
Phillips, T. & J. (Slaters)
Stothard, J., & Sons (Carpenters)
Tainsh, J. (Plasterer)

CROMARTY.
Gilmour, R. (Plumber)
Mackay, H. (Carpenter)
Mackenzie, J. (Carpenter)
Macleod, J. (Mason)
Miller, D. (Plumber)
Skinner, A. R. (Painter)

CROSSMICHAEL, S.O.
McNaught, J. (Mason)

CUMNOCK.
McLetchie, W.
Richmond, J., Square

CULLEN, S.O.
Beveridge, W. (R.P.)

CUPAR, Fife.
Batchelor, F., 21 Newtown (Sltr. &c.)
Bett, J., 41 Bonnygate (Plumber)
Black, J., 18 Millgate (Joiner)
Carr, J. W., Crossgate (Painter)
Donaldson, D., Railway Pl. (Plbr.)
Donaldson, T., (Joiner)
Edmond, C. C., Bonnygate (Glazier)
Edmond, D. & J., Bonnygate (Glzrs)
Edward, R., Bonnygate (Painter)
Finlay, R., & Son, Westport (Masons)
Harris, W., Station Rd. (Joiner)
Houston, D., Hillside Fdry. (Ironfr.)
Houston, W., Railway Sidings
Lumsden, D. H., Crossgate (Plmbr.)
McIntosh, J., & Sons, Bonnygate (Slaters & Plasterers)
Ramsay, A., Railway Place (Mason)
Randall, J., Bonnygate (Painter)
Ritchie, D., Kirkwynd (Mason)
Rodgers, C., Bonnygate (Joiner)
Stark, J., Cupar Muir (Mason)
Stewart, A. (R.P.), Crossgate
Strachan, J., & Sons, Chance Inn

DALBEATTIE.
Baird, J., Corsock (Joiner)
Clark, R., John St.
Hamilton, M. (Plasterer)
Hyslop, J. & S., Spottis Mill
Lindsay, R., Albert St. (Mason)
Milligan, R.
Mundell, D., High St. (Painter)
Rain, R., Coupland St. (Joiner)
Sinclair, W. (Joiner)
Tait, J. & R., Flatts (Masons)
Wallach, R. (R.P.), High St.
Wilson, J. M., Water St. (Joiner)

DALKEITH.
Anderson, R., Wester Miller Hill (Joiner)
Beveridge, T. (R.P.), White Hart St.
Chisholm, A., Elmfield Pl. (Joiner)
Cochrane, C., 18 South St. (Painter)
Cumpstie, T., Glebe Lodge (Brick)
Dennis, J., & Co., Ellonville (Brick)
Falconer, W., & Son (R.P.s)
Grieve, G., & Son, 32 Back St. (Sltrs.)
Hair, S., Abbey Rd. (Mason)
Hart, A. (R.P.), South St.
Hill, W., Young's Close (Plasterer)
McLeod, J., & Son, 14 Muirpark (Brickbuilders)
Monteith, J., White Hart St. (Mason)
Muirhead, J. (Mason)
Neill, A., Back St. (Joiner)
Penman, J., Newmills (Joiner)
Steven, W., Muirpark (Mason)
Thorburn, W. (R.P.), 97 High St.

DALMELLINGTON, S.O.
Gibson, J. (Wright)

DALRY.
Tait, D. & J., Templand Rd. (Plasterers)

DARVEL, S.O.
Boyd, J. (Mason)
Gebbie, W. (Plumber)
Grant, J. (Joiner)
Lindsay, W. (Slater)
McColl, H. (Joiner)
Mair, R., & Sons, (Joiners)
Rankin, J., Ronaldcoup Rd. (Joiner)

DENNY.
Hunter, J., & Sons (Plumbers)
Inglis, R. (Slater)
Lowrie, B. & J. (Slaters)
Mealls, D., & Son (Joiners)
Paul, J., & Sons

DINGWALL.
Fraser & Campbell, Hill St. (Carptr.)
Fraser, J. & R. (Slaters)
Grant, W., East End (Carpenter)
Jack, H. (Carpenter)
Macdonald, McLeay, & Mackay, Knockfarrel (Masons)
Macdonald, W., Tulloch St. (Cptr.)
Mackay, G., & Son, Tulloch St. (Plasterers)
Mackenzie, D. High St. (Plumber)
Mackenzie, J., High St. (Painter)
Mackenzie, R., & Son (R.P.), MacGregor's Court (Plumbers, &c.)
Mackintosh, M., Fairburn, Ussie (Msn)
Maclean, R., Craig Rd. (Mason)
McLean, W., Craig Rd. (Mason)
Maclennan, W., Tulloch St. (Cptr.)
Macswayde & Fraser (Slater)
Mellis, A. C. (R.P.), Inchvannie Court (Plumber)
Munro & Connon (Plasterers)
Munro, D., Tulloch St. (Carpenter)
Murchison, J., Station Rd. (Mason)
Ross, H., & Son, High St. (Painters)
Ross, T., High St. (Painter)
Tolmie, W. (R.P.), High St.

DOLLAR.
Donaldson, F. (Painter)
Halley, P. (Plasterer)
Jack, M.
Robertson, C. & J. (Joiners)
Roxburgh, C. (R.P.)
Snowdowne, W. (Joiner)

DORNOCH.
McPhee, J. (Plasterer)
Mackay & Munro (Joiners)
McRae, R. (R.P.)
Munro & Murray (Masons)
Murray, P. (Joiner)

DOUGLAS, S.O.
Draffan, T., Townhead
Wood & Somerville, Stabbstone (Joiners)

DUFFTOWN, S.O.
McKay, D., Fife St.

DUMBARTON.
Ballardie, T., High St. (Painter)
Brown & Co. (Joiners)
Budge, G., Bonhill Rd. (Mason)
Campbell & Cameron (Plumbers)
Campbell, R., McLean Place (Slater)
Colville, A., Risk St. (Plumber)

Scotland—*continued.*

Dougall & Gibson, (Joiners)
Douglas & Logan, High St. (Plumbers)
Hutchison, J. N., (Plasterer, &c.)
Kincaid, J., High St. (Painter)
McLellan, R., High St. (Plasterer)
McLeod, W., & Son (Joiners)
Mair, A., 7 Church St. (Mason)
Menzies, T. & J., High St. (Painters)
Watson, A., Levenford Ter. (Brkbdr.)

DUMFRIES.
Bell, W., 138 Loreburn St. (Plastr.)
Bridges, J., & Son, Queen St. (Sltrs.)
Cairns, S., & Son, Galloway St. (Ptrs.)
Constantine, D., 62 High St. (Painter)
Crackston, J., & Sons, Howgate St. (Masons)
Currie, T., 127 Queensberry St. (Msn)
Dickie, J., 90 St. Michael St. (Joiner)
Dickson, J., & Son (R.P.s), 5 Buccleuch St.
Dickson, W., St. Michael St. (Plstr.)
Drummond, P., & Son, 22 High St. (Plumbers)
Gilfeather, J., Shakespeare St. (Plbr.)
Glover, J. J., 17 Castle St. (Painter)
Haining, W., & Son, 89 Friars Vennel (Painters)
Halliday, J., & Sons, Leafield Rd. (Masons)
Hastings & Sons, Glasgow St. (Sltrs.)
Ireland, A. B., Shakespeare St. (Jnr.)
Jardine & Rankine, Three Crowns Close, Queensberry St. (Joiners)
Little, J., 11 St. David St. (Plumber)
Lockerbie, J. B., Brooms Rd. (Msn.)
McGill, R., & Son, High St. (Ptrs.)
McKay, W., Galloway St. (Plumber)
McLachlan, S., & Son, Friars Vennel (Joiners)
McLellan, J., 118 Queensberry St. (Slater)
McMillan, D., 61 English St. (Pntr.)
McMillan, D. (R.P.), Assembly St.
McMurdo, P., 26 High St. (Joiner)
Milroy, J. (R.P.,) 65 English St.
Moffat, R. J., & Son (R.P's.), 35 English St.
Murray, S., Glebe St. (Joiner)
Murray, W., Brooms Rd. (Mason)
Reid, W., 56 Buccleuch St. (Painter)
Robertson, T., Dockhead (Plasterer)
Roddan, T. (R.P.), 24 Church Cres.
Smart, J., 6 Catherine St. (Joiner)
Steel, A., Howgate St. (Joiner)
Tait, J. B., David St. (Mason)
Thomson, C. W., Rae St. (& Joiner)
Thomson, R., & Sons, 55 Shakespeare St. (& Joiners)
Walker, A., Broom Rd. (Plasterer)
Warnock, J., Learig (Mason)
Williamson, J., Terregles St. (Joiner)

DUNASKIN, S.O.
McConachie, J. (Mason)

DUNBAR.
Aitken, A. (Plasterer)
Cunningham, G., Stanley Place
Cunningham, P. & S.
Cunningham, W., High St. (Joiner)
Melville, A., & Son (R.P.), High St.
Ritchie, R., 151 High St. (Joiner)

DUNBLANE.
Baine & Macfarline (Masons)
Cramb, J. (Mason)
Gray, J., & Son (Slaters, etc.)
Guthrie, J. & W. (Joiners)
McLaren, J. (R.P.), High St.

DUNDEE.
Adam, J., & Sons, 15 Park Lane (Plasterers)
Adams, T., 193 Overgate (Plumber)
Allan, J., Kerrs La., Lochee (Mason)
Anderson, P., & Son, 11 James St. (Plumbers)
Anderson, J.R., E. Esplanade (Brklr.)
Arkison, W., 50 Westport (Painter)
Ashton, J., 6 Crescent Lane (Joiner)
Batchelor, J., Victoria Dock (Plbr.)
Beath & Keay, Albion Foundry (Ironfounders)
Bennet, W., 41 Reform St. (Mason)
Binny, J., & Co., Rosefield St. (Msns.)
Boath, A., 141 Nethergate (Painter)
Brand, C., 146 Overgate (Slater)
Bremner, D. (R.P.), 12 E. Dock St.
Brown & Gow, 31 Cowgate (Painters)
Brown & Grant, 62 Bell St. (Irnfdrs.)
Brown, D., 59 South Tay St. (Plbr.)
Brown, T., & Son, 47 Perth Road (Painters)
Brownlee, W. & R., 52 Smalls Wynd (and Joiners)
Bruce, A., & Son, Clepington Rd. (Joiners)
Bruce, J., Burnside St., Lochee (Msn.)
Buttar, A., 31 Hawkhill (Slater)
Caird, A. K., 131 High St., Lochee (Plumber)
Clark, D. W., & Son, 51 North Wellington St. (Joiners)
Clarke, A., 24 Willison St. (Mason)
Comb, W., & Son, Whorter Bank, Lochee
Craig, A. & T., West Clepington Rd. (Masons)
Crighton, J., & Sons (R.P.), 105 Cowgate
Dand, W., 18 Main St. (Plasterer)
Davidson & Sons, 22 Ward Rd. (Heating Engineers)
Davidson, D., 120 Lochee Rd. (Pntr.)
Davie, P. & A., 44 Victoria Rd. (Pntrs.)
Dewar, T. M., 41 Constitution Rd. (Plumber)
Doig, T., 167 Victoria Rd. (Sculptor)
Donald & Smith, 48 Murraygate (Glaziers)
Donald, W. (R.P.), 6 Gardner's Lane
Drummond, H., 108 Nethergate (Ptr.)
Duncan, G., 41, Annfield Rd. (Msn.)
Duncan, J., 72 James St. (Slater)
Duncan, J., 1 Salem St. (Mason)
Fairweather, J., 222A Perth Rd. (Marble Mason)
Farquharson, J., & Sons (R.P.), 38 and 40 Barrack St.
Fenwick, W. (R.P.), 11 N. Lindsay St.
Fletcher & Co., 24 Kincardine St. (Glaziers)
Foggie, W., Whitton St., King's Rd. (and Joiner)
Fyffe, J., & Son, 89 Nethergate (Plumbers)
Fyffe, J. W. & Co., 14 Bank St. (Sltrs.)
Gahan Bros., 57 Hilltown (Painters)
Garvie & Farquharson, 46 City Rd. (Joiners)
Gibson, T., 6 Ireland's La. (Plasterer)
Greig, G. A., 81 Ann St. (Painter)
Hay, J. B., Euclid Crest. (Mason)
Hay, T., Ninewells, near (Joiner)
Hodge, D., 186 High St., Lochee (Jr.)
How, D. P., & Sons, 11 Caldrum St. (Joiners)
Hynd, D., 10 Forebank Rd. (Plmbr.)
Keay, D., Hillbank Irnwks. (Irnfdr.)
Keay, T. C., Ogilvie St. (Ironfounder)
Keill, J., 263 Perth Rd. (Painter)
Kilgour, G., 126 Blackness Rd. (Plstr.)
Laburn, J., 18 Mid St. (Plasterer)
Laburn, J., & Son, 61 Constitution Rd. (Slaters)
Laburn, W., 39½ Larch St. (Slater)
Law, D. & A., 2 Dens St. (Slaters)
Lawless, M., 22 Hean's Lane (Plastr.)
Lee, Croll & Co., Lawside Foundry
Lickley, A. & R., 30 Reform St. (Jrs.)
Lickely, R., & Son, 220 Perth Rd. (Joiners)
Linder, L., Bellfield St. (Bricklayer)
Lindsay & Scott, 24 to 28 Bank St. (Glaziers)
Lindsay, J., Soapwork Lane (Slater)
Lowdon Bros. & Co., 37 North Tay St. (Electricians)
Macbeth, D., & Son, 20 Raglan St. (Plasterers)
Mackay, J., & Son, 67 Nethergate (Painters)
McNab & McRostie, 45 Nelson St. (Joiners)
McRitchie, A., 29 Temple La. (Plstr.)
McTavish, J., Seafield Lane (Joiner)
Mealmaker, W., Lowdens Al. (Slater)
Meek, M., Balgay Rd. (Marble Mason)
Miller, R., Soapwork Lane
Mitchell, W., & Son (R.P.s), 69 Cowgate
Morrison, J., 16 High St., Lochee (Joiner)
Neilson, A., 12 Ward Rd. (Sculptor)
Nicoll & Jack, King William Dock (Ironfounders)
Nicoll, A., Fyffe St. (Mason)
Nicoll, J., & Son, 25 Main St. (Masons)
Nicoll, J., 25 Cotton Rd. (Plumber)
Norwell, W., 96 Commercial St. (Ptr.)
Nucator, P., & Son, 78 and 80 Bell St. (Plumbers)
Ogilvie, A., 59 Constitution Rd. (Plstr.)
Parker, C., Sons & Co., Victoria Foundry (Ironfounders)
Peacock, A. L., & Co., 21 North Tay St. (Heating Engineers)
Petrie Bros., 70 Overgate (Painters)
Philip, W., 163 Seagate (Joiner)
Pirie & Croom, 18 Whitehall St. (Ptrs.)
Pollock, J., 53 Dalfield Walk (Jnr.)
Porter, J., 51 Lwr. Pleasance (Slater)
Potts, G., & Sons, Jamaica St. (Plstrs.)
Powrie, J., 35 Edward St. (Mason)
Pringle, W., Foundry Lane (Joiner)
Ramsay, A., & Son, 20 Watt St. (Jrs.)

Scotland—*continued.*

Ramsay, J. & R., 31 Wellgate (Sltrs).
Reoch, L., 16 Long Wynd (Plasterer)
Robertson & McPherson, Downfield (Masons)
Robertson, J., & Son, 128 Princes St.
Russell, T., Russell Lane (Ironfndr.)
Scott, D., 39 Dura St. (Plumber)
Scott, J., 49 Lyon St. (Mason)
Scott, J., Wellgate (Plumber)
Scott, J., & Son, 10 Fyffe St. (Joiner)
Sellars, R., 4A St. Peter's St. (Joiner)
Sharp, D., Lintrathen Place (Mason)
Shaw, J. F., & Son, 5 Lowdens Alley (Joiners)
Shepherd, J. & E., 31 Panmure St. (Joiners)
Shepherd, R. & Son, 11 Paterson St. (Joiner)
Smith, C., & Son, 12 Queen St. (Jrs.)
Smith, J., & Co., Rosebank St. (Msns.)
Stewart, A., Wormit, near (Joiner)
Stewart, J., 16 Forfar Rd. (Joiner)
Stocks, T. C., Crescent Lane (Joiner)
Thomson, J., 154 Nethergate (Pntr.)
Whitton, A. (R.P.), 71 Victoria Rd.
Whyte, C., 122 Lochee Road (Plmbr.)
Will, A., 11 Park Place (Mason)
Wilson, J., 9 Canning St. (Joiner)
Young, A., 10 Smalls Wynd (Joiner)
Young, A. W., 168 Perth Rd. (Plmbr.)

DUNFERMLINE.

Anderson, E.H., Victoria Ter. (Jnr.)
Beveridge, J., & Co., Cross Wynd (Slaters)
Brough, R., 52 Grieve St. (Joiner)
Clark, J., Constan St. (Bricklayer)
Crawford, G., Pittencrieff St. (Joiner)
Dick, G., Maitland St. (Mason)
Dick, R., James Place (Mason)
Donald, J., Woodhead St. (Plmbr.)
Duncanson, F., Market St. (Mason)
Fernie, A. S., Dewar St. (Mason)
Finnick, J., Castleblair Park
Heggie, J., Colton Junction (Joiner)
Hutchison, J., Cemetery Rd. (Mason)
Hutton & Watson, Queen Anne St. (Plumbers)
Kirk, D., Baldridgeburn (Plasterer)
Lambert, A., Abbey Pk. Pl. (Slater)
McGregor, R., Mill St. (Plasterer)
Milar, D., Reform St. (Plumber)
Millar, J. & D., 51 Pittencrieff St. (Masons)
Mitchell, A., 32 Maygate St. (Joiner)
Mitchell & Kinghorn, 7 Buchanan St. (Joiners)
Moodie, J., Carnegie St. (Joiner)
Muir & Gillan (R P.), 9 Douglas St.
Philp H. & J., Campbell St. (Joiners)
Philp, J., Mill St. (Joiner)
Ramsey, H. & J., 20 South Inglis St. (Plasterers)
Ritchie, J., 6 Cross Wynd (Plumber)
Robertson, G., 3 N. Inglis St. (Slater)
Robertson, J., 10 Campbell St. (Slater)
Rolland, A., & Co. (R.P.), 104 High St.
Smith, R. & W., 50 Queen Anne St. (Plumbers)
Spence & Thomson, Grantsbank St. (Masons)
Stark & Thomson, Crossford (Masons)
Steele, T., & Son, 30 Carnegie St. (Slaters)
Stewart, J., & Sons, Burt St. (Masons)
Stewart, J., Station Rd. (Plumber)
Street Bros., Ld., Townhill (Brkbds.)
Templeman, W., Cairneyhill
Thomson, A., Canmore St. (Plumber)
Ure, W., 41 Carnegie St. (Plasterer)
Westwood, J., 53½ Woodhead St. (Jr.)
Whyte, W., Priory Lane (Plumber)

DUNNING, S.O.

Dougall, J. & J. (Slaters & Plumbers)
Duncan, A. (Slater)

DUNOON.

Anderson, T., Argyle St. (Smith)
Black, D., Argyle St. (Plumber)
Canning, H., Pretoria Cres. (Painter)
Dallas, G., Mill St. (Joiner)
Drummond, J., Kirn (Joiner)
Ferguson, A., Hanover St. (Joiner)
Grieve, J., Ferry Brae (Painter)
Hay, G., Church Sq. (Slater)
Inglis, J., Mill St. (Joiner)
Kennaway, W., Church St. (Slater)
Kent, J., Mill St. (Slater)
McCallum, D., Hillfoot St. (Painter)
McConnochie, J., John St. (Pntr.)
McCulloch & Walker (Masons)
McFarlane, A., John St. (Plstr.)
McKellar, D., Mill St. (Smith)
McPherson, G., Hillfoot St. (Slater)
Melville, A., Hillfoot St. (Joiner)
Miller, J., Argyle St. (Painter)
Mitchell, J., Kirn (Slater)
Parker, J., Wellington St. (Joiner)
Paterson, A., Cromwell St. (Plstr.)
Reid, J., Kirn (Plumber)
Stewart, H., Hillfoot St. (Plumber)
Tannock, J., Jane St. (Mason)
Urquhart, J., Mill St. (Smith)
Wallace, A., Moir St. (Plumber)
Wallace, D., Kirn (Joiner)
Whitelaw, W., N. Milton Rd. (Mason)
Wilkie, C., Kirn St. (Mason)
Young, J., Kirn (Painter)
Young, T., & Sons, (Joiners)

DUNS.

Calder, G., Bridgend (Joiner)
Clazie, H. N., Willis Wynd (Joiner)
Cowper, J. J., Newtown St.
Duns, G., West Cottage
McIntosh, W., Willis Wynd (Joiner)
Newbigging, P., Willis Wynd (Plmbr.)
Pringle, G., North St.
Thomson, W. C., Black Ball St. (Plumber)

DUNSCORE.

Broatch, H., Kilnhouses (Mason)
Maxwell, D., Dalgonar Saw Mill

DUNTOCHER, Glasgow.

Winton, D. (Mason)

DUNVEGAN, Skye.

Campbell, N. (Joiner)
Clark, J. A. (Plumber)
MacDonald, J. (Joiner)
Macdonald, J., Waternish (Mason)
Mackinnon, N., Struan (Joiner)
Macleod, K., & Son (Joiners)
Macphie, A., Glendale (Mason)
Macphie, K., & Sons (Masons)
Silver, D. & Son, Edinbane (Plastrs.)

DYCE, S.O.

Christie, S., Junr. (Slater)

DYSART.

Alison, W., Quality St. (Joiner)
Briggs, R., Townhead (Plumber)
Hay, G., & Son, Relief St. (Joiners)
Johnstone, D. (Slater & Plasterer)
King & Co., Normand Rd. (Painters)
Logan, J., Relief St. (Plasterer)
Mavor, J. (Mason)
Robb, J., 5 Cross St. (Plumber)
Wallace, A., Watt St., (Mason)
Wedderspoon, W. (Painter)

EARLSTON.

Murdison, T. B. (Slater and Plumber)
Rodgers, W., & Sons

EAST LINTON.

Cameron, J. & J. (Slaters)
Fraser, J. (Joiner)
Katchen, J. (Slater & Plasterer)
Lawrie, W. (R.P.)
Malcolm & Laing
Melville & Son (R.P.s)
Pettigrew, J.

EDINBURGH.

(*For LEITH, see separate heading.*)

Aberdeen Granite Co., Albion Rd. (Sculptors)
Adams, J. (R.P.), & Co., Marshall St.
Adamson, A., 3 Gifford Park (Plastr.)
Allan & Sons, 4 George Place, Leith Walk (Tilelayers)
Allen, A. (R.P.), 22 Marchmont Rd.
Alexander, J., 1 Fountainhall Rd. (Mason and Joiner)
Anderson, W., & Son, 91 Haymarket Ter. (Slaters)
Angus, J., 15 Haymarket Ter. (Msn.)
Annan, J., Distillery Lane, Haymarket (Plasterer)
Armstrong & Hogg, 43 Grindlay St. (Plumbers)
Baird, J., & Son, East London St. (Plasterers)
Baird, W., 68 Pitt St. (Plasterer)
Ballantine, J., & Son, 40 George St. (Painters)
Barton, P., 125 Fountain Bridge
Barton, W., & Sons, 11 Forest Rd. (Plumbers)
Beattie, W., & Sons, 29 Fountain Bridge (Masons and Joiners)
Bell, P., & Son, 64 Pitt St. (Ironfounders)
Best, J., Wariston House (Roads, &c.)
Black, W., 150 Dundee St. (Brkbldr.)
Blackie, R. (R.P.), 5 Comiston Rd.
Bonnar, T., & Son, 58 George St. (Painters)
Brown Bros., Broughton Rd. (Irnfrs.)
Brown, C. & J., Bernard Ter. (Jnrs.)
Brown, W., 29 Murieston Cres. (Jr.)
Bruce, R., & Son, 25 Greenside Pl. (Brickbuilders)
Brunton, W., W. Silvermills La. (Jr).
Bryden, W., & Son, 55 George St. (Electricians)
Burn & Baillie, 109 Hanover St. (Plumbers)
Burn Bros. (R.P.), 121 Hanover St.

Scotland—*continued.*

Calder, A., 13 Barclay Place (Joiner)
Carrick & Ritchie, Norton Park, London Rd. (Engineers)
Catto, T., Cornwallis Place (Slater)
Cavanagh, P. F., Dean Park Mewse (Plasterer)
Chisholm, R., Canning St. (Joiners)
Clark, J., & Co., 124 George St. (Ptrs.)
Clunas, W., & Co., 15 Annandale St. (Slaters)
Colville, A., & Co., 20 Mayfield Rd. (Masons and Joiners)
Cook, W., & Sons, Piershill (Heating and Ventilating Engineers)
Cousin, G. & R., 14 Waverley Market (Roads & Masons)
Cowie, W., & Son, 6 Angle Park Ter (Masons)
Crowe, J., Murrayfield (Joiner)
Cruickshank, J., 34 Torphichen St. (Oven Builder)
Cruickshank, W. S., & Son, Lower Gilmore Pl. (Masons, Joiners, &c.)
Cumming, T., & Son, 2 Cockburn St. (Shop Fitters)
Cunningham, A., & Co., 18 Leith St. (Glaziers)
Currie, A., West Savile Terrace (Shopfitter)
Dawson, J., & Son, West Silvermills (Bellhangers)
Deas, W. (R.P.), 25 Thistle St.
Dickson & Walker, 31 Frederick St. (Glaziers)
Dobie, G., & Son, 23 George St. (Painters)
Dobson, A., 2 Bernard Ter. (Slater)
Douglas, W., 11 Picardy Pl. (Electn.)
Dryburgh, G., & Son, 20 St. Vincent St. (Slaters & Masons)
Duncan, J., & Sons, 127 Grove St. (Joiners)
Elliott, W., Inverleith Row (Joiner)
Field & Allan, George St. (Tilefixers)
Finnie, A., 15 Jamaica St. La. (Plstr.)
Fisher, D., Gilmore Park (Plstr.)
Forbes, R., Barnton Ter. (Joiner)

FORREST, J. & F., Duff St., Edinburgh, and Abbey Rd., North Berwick.

Forrest, W., 21 Comiston Rd. (Jnr.)
Forsyth, W., & Son, 43 Forrest Rd. (Painters)
Fraser, W., Dean (Sculptor)
Gavine, W., 6 Cluny Drive (Slater)
Gerrard, W., & Sons, Wheatfield Rd.
Gerrard, W., 1 Moat St. (Plasterer)
Gibb, D., Washington Lane (Joiner)
Gibb, J., & Son, 49 Pitt St. (Joiner)
Gibson, T., & Son, Gibson Terrace (Ironfounders)
Gilmour, G., & Son, Dalmeny St. (Masons)
Graham, R., 45 N. Castle St. (Slater)
Grant, D., & Son, Bernard Ter.
Grant, D., St. James' Sq. (Shopfitr.)
Gray, J., & Son, 85 George St. (Elecn.)
Gray, W., Sen., 33 H. W. Thistle St. Lane (Plumber)
Greig, D., & Co., Spitalfield Crest. (Joiners and Masons)
Grieve, N., Washington Lane (Jnr.)
Gunn & Co., 130 George St. (Tilelayers)

Hamilton, P., Liberton (Joiner)
Hardie, Gordon, & Co., Robertson Av.
Harper & Son, 40 Montgomery St (Plasterers)
Harvey, J. & T., Forth St. (Painters)
Hastie, R., Canning St. (Mason, &c.)
Hay & Ogilvy, Chancelot Ter. (Msns.)
Henderson, J., 21 Castle St. (Mason)
Henderson, T. P. (R.P.), 121 Grove St.
Henry, G. & W., 119 Lothian Rd. (Painters)
Herd, W., 39 Queen St. (Painter, &c.)
Hislop, R. G., Pitt St. (Bell-hanger)
Hume, T. (R.P.), 2A Stafford St.
Hunter, A., Ld., Lr. Gilmore Pl. (Plsts.)
Inglis, J. M., 19 Queensferry St. (Plumber)
Johnston, J. & J., 119 Grove St. (Plasterers)
Kay, W., Loanhead (Plumber)
Kelly, J., & Son, 13 Castle St. (Smiths)
Kennedy, J., 96 Pitt St. (Plasterer)
Kennedy, J. A., Ashley Ter. (Plstr.)
Kerr, Bros., 223 Dalry Rd. (Sculptors)
Kidd, R., 29 Barclay Place (Slater)
Kinnear, J., Sons & Co., 2-5 Hope Cresent (Masons)
Kinnear, Moodie, & Co., Hermand Terrace (Masons)
Knox, P., & Son, 31 Creighton Place (Plumbers)
Laidlaw, R., & Son, Simon Sq. (Gasfitters)
Lamb, R., & Son, Logie Green Works, Beaverbank (Joiners)
Law, H., & Sons, West Silvermills Lane (Joiners)
Lawrie & Stewart, 126 Lothian Rd. (Plumbers)
Little, J. (R.P.), 22 Morrison St.
Little, R. (R.P.), 12 Hamilton Place
Little, W., 77 Pitt St. (Smith)
Low & Son, 73 Clerk St. (Slaters)
Lowdon Bros. & Co., 50 Frederick St. (Electrical Engineers)
Lowe, D., & Sons, Gilmore Park (Heating Engineers)
Lownie, J., 57 Harrison Rd. (Jnr., &c.)
McAdam, J., 11 Gayfield Sq. (Mason)
McAndrew, C., 13 Lauriston Gdns. (Joiner & Mason)
Macdonald, J. (R.P.), 3 Dundas St.
Macfarlane, W. W., 9 Randolph Pl. (Painter)
McGlashen, S., & Son, Canonmills Bridge (Sculptors)
Mackenzie & Moncur, Balcarres St. (Heating Engineers)
M'Lauchlan, W. G., & Co., Annandale St. Lane (Masons)
McLean, F., 38 Sciennes
McLeod, N., & Sons, 81 Harrison Rd. (Masons)
Martin, J., Duff St. (Bricklayer, &c.)
Mather, A., & Son, Dalry Rd. (Engs.)
Meikle & Philip, Murieston Rd. (Heating Engineers)
Mekie, D., 94 Montpelier Pk. (Msn.)
Middleton & Robertson, 4 Ladyfield Place (Joiners)
Mitchell, J., & Son, 30 Fettes Row (Masons & Joiners)
Montgomery, H. T. & R., North Merchiston Avenue (Joiners)
Morrison & Son, 13 Randolph Place (Plumbers)
Moxon & Carfrae, 77 George Street Painters)
Muirhead, A., & Son, 14 Castle St. (Painters)
Muirhead, J., 12 North St. Andrew St. (Joiner)
Paterson Bros., 234 Causewayside (Joiners)
Paterson, H. (R.P.), & Sons 5 Elm Row
Proctor (R.P.) & Son, 23 Church La.
Purves, D., 21 Churchill Place (Plumbers, &c.)
Redpath, Brown, & Co., 2 St. Andrews Square (Steelworks)
Reid & Downie, 13 Dundas St. (Painters)
Rendall, J., 127 Trinity Rd. (Joiner)
Rhind, J. S., 45 Bedford Rd. (Sculptor)
Roberts, G., 42 Haymarket Ter. (Mason)
Robertson & Hogg, 1 Chambers St. (Plumbers, &c.)
Robertson, C., 93 Pleasance (Smith)
Robson, T., 57 E. Crosscauseway (Smith)
Ross, J., 17 Duncan St. (Plasterer)
Rutherford, J., & Son (R.P.), 54 Haymarket Terrace
Scott & Davie, 26 Morton St. (Plstrs.)
Scott, A. & Son, Gilmore Pk. (Cptrs.)
Scott, J., 10 Maxwell St. (Joiner)
Shanks, D., & Son, Deanbank Lane (Joiners)

Scotland—*continued.*

Simpson & Taylor, 17 Upper Gray St. (Masons)
Sinclair, G., Bonnington Rd., Leith (Boilermaker)
Slater, S. & R., 10 Springvalley St.
Smith, D., 34 Broughton St. (Pntr.)
Smith, S., 11 Montague St. (Joiner)
Smith, W., 11 Nicolson Square
Souden, J., 6 Spottiswoode Rd. (Msn.)
Stalker, R., 13 Lothian Rd. (Pntr.)
Steel, J. (Trustees of), 2 Torphichen St. (Mason)
Stevens, D. (R.P.), 15 Howe St.
Stewart & Rae, 13A George St. (Plumbers)
Stewart, W., 98 Dalry Rd. (Plastr.)
Stratton, J. W., & Co., Lwr. Gilmore Place (Roads)
Stuart's Granolithic Stone Co., Ltd., Duff St. (Plasterers)
Sutherland, D., & Sons, 104 Raeburn Place (Joiners)
Tait, T., 15 North St. Andrews St. (Smith)
Taylor Smith Electric Co., of Scotland, Hill St.
Thomson, D.L., Slateford Rd. (Engs.)
Thomson, R., Dalry Rd. (Sculptor)
Thornburn, R., & Son, 135 and 137 Buccleuch St. (Masons)
Turner, W., & Sons, Westfield St. (Masons)
Waddell, A, & Son, Freer St. (Roads and Drains)
Walker, W. G., & Sons, 5 St. Andrew's Square (Asphalters)
Walker, J., 24 Morrison St. (Joiner)
Walker, P., 48 Buccleuch St. (Plsts.)
Watherston, J., & Son, 29 Queensferry St. (Joiners & Masons)
Watson, A., & Son, Union St.
Watson, G., Woodburn Terrace
Watson, R., 102 Easter Rd. (Plmbr.)
Watson, W. & J. R., 86 Pilrig St. (Joiners)
Watson, W., 45 W. Savile Terrace
White & Bee, St. Leonard's St.
White, J. & Co. (R.P.s) 10 South St. Andrew's St.
White, J., 34 St. Andrew Square
Wightman, J. (R.P.), 7 & 14 South St., David St.
Williamson, T., 167 Rose St. (Plbr.)
Wilson, J. & R., 23 Riego St. (Joiner)
Wilson, D., 100 Potterrow (Joiner)
Young & Co. (R.P.), 112 Nicolson St.

ELGIN.

Allan, A., High St.
Bain, G., South St. (Slater)
Brodie, J., S. Guildry St. (Plasterer)
Clark, J. H. (R.P.), Moss St.
Davidson & Hay, Academy St. (Msns.)
Davidson, A., & Son, Reidhaven St. (Slaters)
Douglas, H., Culbard St. (Plumber)
Dunbar, A. & R., Park Place (Cptrs.)
Fraser, Wm., West Rd. (Mason)
Fordyce, W., 71 High St. (Painter)
Forsyth, D. (Mason)
Garrow, A., Mayne Rd. (Mason)
George, J., & Son, Reidhaven St. (Carpenters)
Gordon, J. (R.P.), & Son, South St.
Gray, G., Moray St. (Plasterer)
Grigor, J., Mayne Rd. (Carpenter)
James, J, South St. (Painter)
Jamieson, W., Hay St. (Mason)
Jessiman, J., 51 South St. (Carpenter)
Kintrea, J., & Son, High St. (Pntrs.)
Lyon W., & Sons, 30 Commerce St. (Plumbers)
McIvor, A., West Bank (Plasterer)
McKenzie, T., New Elgin (Carpntr.)
McKerron, A., Lossie Wynd (Mason)
Mackie & McKenzie, Market Green (Carpenters)
McKilligan, J., High St. (Carpenter)
Maclean, J. (R.P.), Mayne Rd.
McPherson, J., Bishop Mill (Mason)
Newlands, J., West Rd. (Mason)
Reid, A., Linkwood Rd. (Mason)
Ross, J. (R.P.), 36 High St.
Ross, J., Fortheath St. (Plasterer)
Russell, J., North St. (Plumber)
Scott, A., Sth. Guildrey St. (Cptr.)
Scott, G., Moray Place (Mason)
Sellar, J., Hall Place (Carpenter)
Sparke, C., High St. (Painter)
Thomson & Fraser, 36 High St. (Concreters & Slaters)
Young, J., Mayne Rd. (Mason)

ELIE-FIFE.

Bain, J. L. (Painter)
Barr, J. (Slater)
Black, T. (Slater)
Bruce, J. (Plumber)
Garland, D. (Joiners)
Greig, D. B., & Son (Painters)
Leitch, A. (Painter)
Pearson & Simpson (Masons)
Purves, J., & Son (Plumbers)
Smith, T. (Joiner)
Sunter, C. M., & Son (Masons)
Webster, A. (Plasterer)
Webster, D. & Son (Plasterers)

EVANTON, S.O.

Fraser, A. (Mason)
McKenzie, D. (Joiner)
McLean & Son, Glenglass (Masons)

FALKIRK.

Anderson & Jeffrey (Joiners)
Armstrong, J., Grahams Rd. (Plbr.)
Borland, J. T., West Bridge St. (Plumber)
Brown, R. (R.P.), Bank St.
Christie, J., High St. (Slater)
Cowan, P., Cistern Lane (Joiner)
Cuthbertson & Co., Glebe St.
Dalziel, R., Griffiths St. (Mason)
Dewar, J. & P., Thornhill Rd. (Joiners)
Draper, D. & Son, 11 Grahams Road (Plumber & Slater)
Ferguson & Bell, New Market St. (Painters)
Finlayson, J., Grahams Rd. (Painter)
Forgie, J., Manor St. (Joiner)
Gardner, J., Hodge St. (Mason)
Gardner, W., St. Crispin's Pl. (Mns.)
Gibson & Gray, Smith St. (Joiners)
Gibson, W., Griffiths St. (Bricklayer)
Graham, J., Vicar St. (Painter)
Heron & Garrow, High Station Rd. (Joiner)
Happer, W. & J., Wilson's Bldgs. (Slaters)
Johnston, C., West Bridge St. (Painter)
Kellock & Kilgour, 86 Graham's Rd. (Joiners)
Kirk, Kerr & Co., Earl's Lane (Plstrs)
Laurie, T., & Co., West End (Elect.)
Liddell, T., High St. (Painter)
Lindsay & Blanche, Dundee Court (Joiners)
MacNair, D., Park St., (Plasterer)
Main, J. & A., West End (Joiners)
Marshall, J., Bainsford (Joiners)
Marshall, J., Bank St. (Painter)
Maxwell, J., Meeks Rd. (Bricklayer)
McKearney, O., Comely Ter. (Bklr.)
Millar, J., 142 Grahams Rd. (Plstr.)
Morrison, J., Comely Ter. (Plastr.)
Nimmo, R., Howgate (Joiner)
O'Brien & Meek, Manor St. (Pntrs.)
O'May, D., Melville St. (Glazier)
Robertson, A. & G., Pleasance (Plumbers)
Sanderson, G., Park Ter. (Mason)
Sneddon, A., Grahams Rd. (Painter)
Stewart, J. Bainsford (Slater)
Struthers, J., Vicar St. (Painter)
Summers, G., Grahams Rd. (Plumber)
Turner, J., Bell's Wynd (Plumber)
Ure & Paterson, James St. (Glaziers)
Wallace & Connell, High Station Rd. (Plumbers)
Weston, W., 135 Graham's Rd. (Jnr.)
Wilson, J. & H., Graham's Rd. (Ptrs.)
Wilson, J. & Co., Melville St. (Street Contractors)

FALKLAND.

Laurie, W. (R.P.)
Page, W.

FOCHABERS.

Glass, W. (Carpenter)
Legge, W. (Mason)
McKenzie, J. (Carpenter)
Tully, T. (Carpenter)

FORFAR.

Adamson, D., Tayler St. (Mason)
Bain, A., 26½ West High St. (Joiner)
Barclay, T. & Son, 74 Castle St. (Painters)
Callander, D., Robert St.
Cargill, J., & Co., Canmore Park (Masons)
Doig, J., 30 South St. (Plasterer)
Farquharson, J., Chapel St. (Joiner)
Hay, A., & Co., Academy St. (Joiners)
Henderson, A., 87 Castle St. (Painter)
Kerr, C., Newmonthill (Sculptor)
Kerr, J., 96 West High St. (Slater)
Langlands, D. (R.P.), Queen St.
Leith, J., Castle St. (Plumber)
Low, A., Glamis Rd. (Joiner)
Masterton, D., Castle St. (Plasterer)
McLaren, A. & Son, Academy St. (Plumbers)
McLaren, W., 83 E. High St. (Painter)
McLean, J., 56 North St. (Mason)
Milne, W., & Sons, Green St. (Plbrs.)
Moffat, W., & Co., W. High St. (Slaters)
Morrison, W., Dundee Loan (Joiner)

Scotland—*continued.*

Munro, Mrs. A. (Ironfounder)
Prophet, J., 99 E. High St. (Painter)
Roger, D., & Son 1 East High St. (Painters)
Ross, A., Castle St. (Sculptor)
Shepherd, A. & C., Roberts St. (Slaters)
Stewart, D., Queen St. (Joiner)
Thompson, D. & Co., 17 West High St. (Painters)
Watterston, J., & Sons, 57 Glamis Rd. (Masons)

FORRES.

Anderson, J. Pilmuir (Mason)
Angus & Ross (Plasterers)
Black, W. A., High St.
Boyne & Martin, Caroline St. (Plms.)
Cameron, D., Urquart St. (Mason)
Campbell, A., High St. (Plasterer)
Cumming, R., Lea Bridge (Carpenter)
Davidson, A., Market St. (Slater)
Forbes & Sons (Slaters & Plumbers)
Macdonald, A., High St. (Painter)
Munro, W. & Son (Plumbers)
Murray, R., & Son, (Masons)
Reid, T., High St. (Painter)
Robertson, J. (Carpenter)
Robertson, J., Urquhart St. (Painter)
Ross, D., Tolbooth St. (Mason)
Ross, W. (Mason)
Smith, C. (Plumber)
Smith, G., Dyke (Carpenter)
Smith, J., South Back St. (Carpenter)
Smith, J., High St. (Carpenter)
Stewart & Sons (Masons)

FORT ROSE, S.O.

Davidson, W., High St. (Painter)
Down, G., Academy St. (Mason)
Macdonald & Co. (Plasterers)
Maclennan, R., Castle St. (Carpenter)
Wilson, N., Academy St. (Plumber)

FORT WILLIAM.

Allan, A., High St. (Painter)
Anderson, W. (Plumber)
Cameron, D., Viewforth Lane (Joiner)
Cameron, D., Cameron Rd. (Mason)
Campbell, R., Fasfern Rd. (Plumber)
Cumming, E., High St. (Slater)
Fraser, D., Fraser Sq. (Slater)
Fraser, R., McMillan Lane (Painter)
Gray, A. L., High St. (Painter)
Harper, R., High St. (Plumber)
Livingston, J., High St. (Mason)
M'Coll, D., Cameron Rd. (Mason)
McEwan, A., Imperial Lane (Plastr.)
McMillan, D., High St. (Painter)
McPhee, J., Cameron Rd. (Mason)
Mitchell, R., West End (Slater)
Wright, D., Viewforth Lane (Joiner)

FOSSOWAY, Fraserburgh.

Younger, R.

FYVIE.

Ferguson, J., Bogtama (Mason)
Lyon, J., Peterwell (Carpenter)
Pirie, J. P. (Slater)

GALASHIELS.

Bell, J. M., Bridge St. (Painter and Glazier)
Bell, J. & P. (R.P.), Market Sq.
Bryden, W., Bridge St. (Joiner)
Dalgleish, P. & D., Roxburgh Place (Masons)
Gladstone, A., & Sons, Channel St. (Joiners)
Hall, J. & J., Lanhope Vale (Jnrs.)
Hall, R., & Co., Island St. (Jnrs.)
Heatlie, R., Scott St. (Slater)
Herbertson, A., & Son, Albert Place (and Joiners)
Hogarth, W., Union St. (Joiner)
Hogg, G., Stirling St. (Slater)
Hutton, A. W., St. John St.
Lindsay, J. G., Lawyers Brae (Painter)
McLaren, L., Channel St. (Slater)
Park, G., & Son, Gala Ter. (Masons)
Robertson, A., St. Andrew St. (Plstr.)
Ruthven, B. (R.P.), Island St.
Scott, J., Bank St. (Plumber)
Scott, W., 23 High St. (Joiner)
Stevenson, J., 43 Queen St. (Joiner)
Sutherland, G., Albert Pl. (Sculptor)
Tait Bros., 60 High St. (Painters, &c.)
Thomson, A. (R.P.), Albert Place
Tweedie, J., & Son (R.P.), High St.
Wood, W. & Sons, Galapark Rd. (Joiners)

GALSTON.

Anderson, R., Bentnick St. (Mason)
Black, T., Wallace St. (Slater, &c.)
Graham, R., Brewland St. (Mason)
McKail, H., Cross St. (Joiner)
Steel, J., Barmill (Drains)
Sutherland, D., Duke St. (Plasterer)
Timothy, T., Glebe Rd. (Mason)
Yendall, A., 20 Barr St. (Joiner)
Young, W., Wallace St. (Slater, &c.)

GARELOCHHEAD, Helensburgh.

Hamilton, W. (Joiner)
Shedden, R. (Plumber)

GARTOCHARN, Alexandria.

Currie, R. & A. (Masons)
Home, J. & J. (Joiners)

GATEHOUSE.

McGaw, T.

GAVINGTON-BY-DUNS.

Spiers, J.

GLAMIS.

Johnston, J., Braehead

GLASGOW.

Adam, J., & Co., 404 Pollokshaws Rd. (and Masons)
Adam (Stephen) & Co., 168 Bath St. (Glass Stainers)
Allan, A., 13 Eglinton St. (Wright)
Allan, J., & Son, 567 Cathcart Rd. (Wrights)
Allan, W., & Cowan, 27 Seamore St. (Wrights)
Allan & Baxter, 198 Maxwell Rd., Pollokshields (Wrights)
Anderson & Henderson, Ltd., Renwick St., Kinning Park (Wrights)
Anderson, H. L., & Co., 233 St. Vincent St. (Painters)
Anderson, J., 166 George St. (Plmbr.)
Anderson, J., 362 Parliamentary Rd. (Slater)
Anderson, J. & R., 76 Bath St. (Ptrs.)
Anderson, P. & W., 64 Douglas St., off Bothwell St. (Masons)
Anderson, R. & A., 283 Parliamentary Rd. (Masons)
Anderson, R., & Sons, 190 Dumbarton Rd. (Wrights)
Anderson, W., 49 Bellfield St. (Brickbuilder)
Anderson, W. (R.P.), 133 Wellington St.
Arbuckle, H., & Sons, Orr St., Bridgeton Cross (Slaters and Plasterers)
Arnot, J. L., 204 Bath St. (Plumber
Barlas, G., & Co., 13 Ruthven St., Hillhead (Masons)
Barlas, M., 16 Marmion St. (Mason)
Bathgate, H. S., 450 Duke St. (Plstr.)
Baxter, J, 20 Catherine St.
Bell, P. (R.P.), 35 South Portland St.
Bell, J., & Co., Ingram St., Govan
Bell, Hornsby, & Co., 176 Pollokshaws Rd. (Brickbuilders)
Bennett, J. B., & Sons, 50 Gordon St. (Painters)
Benson, J., 187 Bothwell St. (Glass Stainer)
Black, T., 11 Peel St., Partick (Sltr.)
Bladen & Co., Parkhead (Ironfndrs.)
Bogie, R., 19 Granville St. (Mason)
Bowie & Co., 372 Scotland St. (Msns.)
Bowie, Fisher, & Co., 26 Bothwell St. (Painters)
Bowie, R., 473 Cathcart Rd. (Plumbr.)
Bremner, J., 106 Nelson St. (Plstr.)
Brown & Angus, 123 Cathcart St., Kingston (Wrights)
Brown & Fingland, 125 Barrack St. (Slaters)
Brown, A., 46 Grafton St. (Plasterer)
Brown, K., 136 Wellington St. (Sculpr.)
Brown, T., 193 Rottonrow (Wright)
Brown (R.P.) & Young, 7 Bath St.
Bruce, A., 69 Cathedral St. (Plumber)
Bryce, J., & Son (R.P.), 82 Oswald St.
Bryden & Middleton, Merlin Iron Wks., Scotstown (Constd. Engrs).
Bryden, J., & Sons, 60 Renfield St. (Bellhangers)
Bryden, W., & Sons, 300 St. Vincent Rd. (Bellhangers)
Buchanan, D., 473 New City Rd. (Bricklayer)
Buchanan, D., 399 London Rd. (Wright)
Cairns & Laing (see Advt. on next page)
Cairns, J. (R.P.), 18 Bath St.
Calder, A., & Sons, 586 and 588 Eglington St. (Plasterers)
Calderwood, R., 85 Glebe St. (Plbr.)
Calderwood, T., 31 Albert Rd. E. (Msn.)
Cameron, C. (R.P.), 219 Cambridge St.
Campbell, P. & A., Campbell St., Govan (Wrights)
Campbell, R., 138 Kent Rd. (Plbr.)
Carbarns, J., & Sons, 128 Hunter St. (Slaters)
Carlton, C., & Son, 189 St. Vincent St. (Painters)
Carmichael, R., Douglas St., Partick
Carrick, G. & D. (R.P.), 123 Douglas St.
Chalmers D., 34 W. Bothwell St. (Msn.)
Clark, Scott & Co., Ld., 23 & 25 Oxford St., S.S. (Gasfitters)

Scotland—*continued.*

Cairns & Laing,
REGISTERED
Plumbers, Gasfitters, and Zinc Workers,
5 CARLTON PLACE
(Near Portland Street Suspension Bridge),
GLASGOW,
AND
40 Albert Road, POLLOKSHIELDS.
ALL KINDS OF CHEMICAL PLANT FITTED UP.
Hot, Cold and Spray Baths, &c., &c.
Nat. Telephone No. 172, *Gorbals. Corp. Telephone No.* 2298.

Clerk, D., & Son, 92 Wellington St. (Smiths)
Cochrane, J., jun., 58-70 Dobbie's Loan (Wright)
Collier, G., Balgray Hill, Springburn
Collier, W., Mansfield Terrace, Springburn
Combe, J., & Son, 103 North Hanover St. (Heating Engineers)
Connell, J., 1A South Coburg St.
Corbet, R., & Sons, 23 Onslow Drive (Brickbuilders)
Cormack, J., & Sons, 36 Abercorn St. (Heating Engineers)
Cousland & Mackay, 150 Hope St. (Ventilating Engineers)
Cowan, W., & Sons, 42 Arlington St. (Wrights)
Craig, J., 94 Paterson St., Kingston (Stair-railer)
Crawford, J., 15 Armadale St. (Bkbr.)
Cumming, J., jun., 12 Harrington St., Maryhill
Cuthbertson, J., 269 Shields Rd. (Sltr.)
Dairon, J., & Sons, 19 Weaver St. (Plasterers)
Davidson, W. G., 55 Bath St.
Deas, J., & Co., 28 East Market St. (Ironfounders)
Devlin, J., & Son, 37 St. Andrew's Drive, Pollokshields (Masons)
Dick & Benzies, 89 Forth St., Pollokshields (Wrights)
Dick, J., & Son, 28 Bath St. (Mason)
Dick, W., 175 W. Campbell St. (Mason)
Donaldson, A., Abercromby St. (Plbr.)
Douglas, W., 254 W. George St. (Pntr.)
Drummond, J., 92 Sydney St. (Plstr.)
Duncan, J., & Son, 67 Dunard St. (Masons)
Duncan, J., Ltd., 106 West Campbell St. (Tile Layers)
Duncan, J., 101 Eglington St. (Pntr.)
Duncan, S., 111 Main St., Bridgeton (Plumber)
Duncanson, T. & R., South St., Scotstoun (Wrights)
Eadie, A., & Son, 280 Cathcart Rd.
Eadie, G. & Son, 405 Machieson St.
Ferguson & Anderson, 24 Regent Moray St., Calton (Wrights)
Ferguson, A., 281 Bath St. (Wright)
Ferguson, G., & Sons, 144 Gardner Street (Wrights)
Ferrier, J. & W., 37 Stevenson St., Calton (Wrights)
Findlay, J., 8 Otago St., Hillhead (Joiner)
Findlay, J. & G., 24 Grant Street (Wrights)
Fleming, P. & R., & Co., 29 Argyle St. (Ironfounders)
Forbes, A. 10A Hyde Park St. (Wright)
Forbes, J. 158A Bath St. (Plasterer)
Forbes, W., 167 W. Graham St. (Plstr.)
Forrest & McLeod, 12 Dixon St. (Bricklayers)
Fulton, D. & R. (R.Ps.), 132 Woodlands Rd.
Fyfe (R.P.) & Allen, Ltd., 43 St. George's Rd.
Galbraith & Winton, 129 St. Vincent St. (Marble Cutters)
Gardiner, R., 151 Cumberland St., S.S. (Plumber)
Gibb, R., & Sons, 49 Sword Street (Masons)
Gibbon, E., 15 Henrietta Pl. (Joiner)
Gilchrist, R., & Son, 50 New St., Calton (Brickbuilders)
Glass Stainers' Co., The, 118 West Regent St.
Goldie, J., & Son, 52 St. Enoch's Square (Masons)
Gordon, W., 152 West Graham St.
Graham, G. H., & Co., 114 Great Western Rd. (Painters)
Graham, J., & Co., 184 George St. (Wrights)
Grant, J., 128 Pitt St. (Wright)
Gray, A. & G., 30 Bath St. (Wrights)
Gray, C., & Son, 393 Alexandra Parade (Wrights)
Graydon, J., 25 Craignestoch St. (Plst.)
Grealey, D., 345 New City Road
Green, J., & Co., 596 Eglington St. (Masons)
Grieve, J., 486 Duke St. (Plumber)
Guthrie, W., & Co., 10 Vernon St., Maryhill (Wrights)
Guthrie (J. & W.), & Andrew Wells, Ld., 237 West George St. (Glass Stainers and Decorators)
Haddow, Forbes & Co., 140 Perth St. (Tile Layers)
Hamilton & Co., 10 Margaret St., S.S. (Slaters & Concrete Paviors)
Hamilton, Marr & Co., Govan
Hamilton, S., 6 Rothesay Gdns. (Brkbr
Hegney, C., & Son (R.P.), 458 Gt. Western Rd., Hillhead
Henderson, M., 4 Grant St. (Joiner)
Hendry, W., & Son, 310 St. Vincent St. (Plumbers)
Herbertson, J., & Sons, 85 Bedford St., Laurieston (& Wrights)
Holmes, J., Sandyfaulds La. (Wright)
Horn, J., 1,009 Pollokshaws Rd. (Plbr.)
Hunter & Marshall, 103 Cambridge St. (Wrights)
Hutcheson & M'Cathie, 159 Bothwell St. (Wrights)
Hutcheson, J., 247 West George St. (Gasfitter)
Hutchison, J., 52 St. Vincent St. (Plbr)
Ingleton, J. (R.P.), & Co., 168 George St.
Jackson, Brown & Co., 121 Alexandra Parade
Johnstone, C. (R.P.), 78 S. Portland St.
Johnston, J., & Son, 130 Renfield St. (Plumbers)
Kay, T., & Co., 12 & 14 Hopetoun Place (Wrights)
Kean & Wardrop, 167 Bath St. (Tilers)
Kemp, R., & Sons, Bishopbriggs (and Wrights)
Kennedy & Wilson, 382 Springburn Rd. (Joiners)
Kennedy, W., 40 Markland St., Partick
Key, W., 109 Hope Street (Heating and Ventilating Engineer)
Kinnear, Moodie & Co., Bath Lane, Elmbank St. (Joiners)
King, D., & Son, Keppoch Iron Works, Possil Park (Ironfounders)
Kirkwood, J., 33 Hope St. (Mason)
Kirkwood, W. & G., 418 Dumbarton Rd., Partick (Plasterers)
Knox, A., & Son, 25 Wellington St. (Wrights)
Laidlaw, J., 14 Playfair St., off Dalmarnock Rd. (Joiner)
Laird, G., & Son, 10 Ann St., Bridgeton (Wrights)
Laird & Walker, 161 Shields Rd. (Brick Builders & Cement Workers)
Lamb, T., & Stewart, 220 Parliamentary Rd. (Wrights)
Laurie, W., 222 St. James' Rd. (Slater)
Law, J. & A., Rae St. (Ironfounders)
Lawrie, E., 21 N. St. Mungo St. (Sltr.)
Lawrie, T., & Co., 130 Wellington St. (Painters)
Lawson & Co., 260 W. Scotland St. (Wrights)
Leishman, A., 86 West Campbell St. (Wright)
Lightbody, W., 42 Sydney St. (Wright)
Lindsay, J., & Son, 13 Pitt St. (Ptrs.)
Livingstone, D., 85 Maxwell St., Pollokshaws (Wright)
Love, A., & Sons, 150 Oxford St. (Ptrs.)
Low, A. (R.P.), 78 Merkland St., Partick
Low, I., 60 Weaver St. (Plumber)
Lumsden, J. M., 183 Thomson St. (Plumber)
Lumsden, R., 20 Finlay Drive, Dennistoun (Brick & Oven Builder)
Lyall, J., Sth. Cromwell Rd. (Mason)
Maben, J., & Co., 65 Eglington St. (Jnrs)
Macallan, J., 110 Stirling Rd. (Wrgt.)
McAlpine, G., 181 Dalmarnock Rd. (Plumber)

Scotland—*continued.*

McAlpine, R., & Son, 188 St. Vincent St. (Railway Contractors)
McAulay, J., & Co., 70 Albert Rd., Pollokshields (Wrights)
McCaa, J., & Co., 47 Oswald St. (Msns.)
McCall, W., & Sons, 5 Balmano St. (Wrights)
McCallum & Hope, 32 Cadogan St. (Ironfounders)
McCallum, D., Junr., 140 Bothwell St. (Mason)
McCallum, J. B., 298 North Woodside Rd. (Mason)
McCord, R., & Son, 71 Waterloo St. (Masons)
McCulloch, M., & Co., 168 Gallowgate (Ironfounders)
McCulloch & Co., 154 West Regent St. (Painters & Glaziers)
Macdonald, A., & Son, 88A Bath St. (Plumbers)
McDonald, G., & Co., 105 Cathcart St., Kingston (Wrights)
Macdougall, N. M., 211 West Campbell St. (Glass Stainer)
M'Ewen, A., & Son, 35 Bridge St., Partick (Cement Workers)
McEwan, W., 148 Bothwell St. (Sltr.)
Macfarlane & Smith, 302 Sauchiehall St. (Painters)
M'Farlane, A., 81 & 83 Cathedral St. (Wright)
McFeat, J., Helen St., Govan (Plbr.)
McGilvray & Ferris, 129 West Regent St. (Modellers & Plasterers)
McGown, J., 331 Saracen St. (Plbr.)
McGrory, J., 1102 Cathcart Rd. Mount Florida (Painter)
McIntyre, A., & Son, 1 Titwood Place, Strathbungo
Mackay, A. & D., 35 Oswald St. (Slaters and Tilers)
McKay, A., & Co., 23 Bothwell St. (Carvers)
McKay & Gray, 29 Scotia St. (Msns.)
McKenacher, P., 33 South Portland St. (Painter)
McKenzie, D. & J., 75 Holland St. (Plasterers)
McKinnon, N., & Sons, 87 South St., Kinning Park
MacLellan, A., & Co., 54 and 56 Waterloo St. (Electrical Engineers)
Maclellan, P. & W., Ltd., 129 Trongate (Engineers)
McLintock, W., 39 Otago St. (Joiner)
McMillan, J., 57 Scott St., Port Dundas (Ironfounders)
McMillan, J., 20 Muirhouse St. (Plstr.)
McNair, J. & T., Ld., 59 Bath St.
McNie, D., & Co., 79 E. John St. (Msns)
McOuat, J., & Son, 98 London St. (Slaters)
McQuarrie, J., 107 North Hanover St. (Plasterer)
McTaggart, H., 60 Mill St., Bridgeton (Wright)
Mailer, W. & D., 12-18 Houldsworth St. (Slaters)
Malloch, C. & J., 304 St. Vincent St. (Glaziers)
Marshall, J., Bishopbriggs (Mason)
Martin, T., 171 W. Regent St. (Plbr.)
Mason, R., 104 Sauchiehall St. (Plbr.)
Meikle & Sons, Wellington St. (Glzrs.)
Meikle, W., 48 E. Howard St. (Slater)
Meiklejohn, A., 10 Kerr Street, Hopehill Rd. (Wright)
Mellis, D., 77 Dumbarton Rd., Partick (Joiner)
Melvin, J., 4 Maxwell St., Partick (Wright)
Miller & Murray, 187 Pollokshaws Road (and Wrights)
Miller, J., 60 Cromwell St. (Glass Stnr.)
Miller, W., Kirklee Rd., Kelvinside
Miller, W., 111 McAustin St. (Plbr.)
Milne, J., & Son, Ltd., 111 St. Vincent St. (Plumbers, &c.)
Mitchell & Davis, 94½ West Regent Lane (Plasterers)
Morgan & Sons, 37 Elderslie St. (Masons)
Morrison & Mason, Ltd., Polmadie (Railway and Dock Contractors)
Morrison, J., Polmadie Rd. (Wright)
Morton, R., 112 Rutherglen Rd., S.S. (Mason)
Moyes, W., & Son (R.P.), 277 Maxwell Rd., Pollokshields
Muir, A., & Sons, 134 Nithsdale Drive (Masons)
Muir, R., & Son (R.P.), 141 Dundas St.
Muirhead, J., 220 Gairbraid St. Maryhill
Murdoch, R., 91 Maxwell Rd., S.S. (Mason)
Murray, G., 139 Dalmarnock Rd. (Plasterer)
Myles, J., & Co., 11 Rosevale St., Partick (Wrights)
Nicol, G., 727 Govan Rd. (Plasterer)
Nicol, W., & Co., 687 Pollokshaws Rd. (Wrights)
Niven, A., & Sons, 301 N. Woodside Rd.
Parker, J., 86 Bluevale St. (Mason)
Paterson & Beldie, 144 W. Regent St. (Masons)
Paterson, Oscar & Co., 118 West Regent St. (Stained Glass Artists)
Paterson, J., & Co., 40 Candleriggs (Plumbers)
Paterson, J., & Son, Ltd., 610 Pollokshaws Rd. (Masons)
Paterson, R. L., & Co., 42-46 Clyde St., Calton (Glaziers)
Penman, M., & Sons, 104 Pollokshaws Rd. (Masons)
Pirie, A., 120 W. Campbell St. (Plast.)
Pollock, W., 166 London St. (Brkbr.)
Porter, J., London Rd. (Mason)
Purden & Callender, 106 George St. (Glaziers)
Raeside, J. (R.P.), 375 Gallowgate
Rankin, J., 84 Garnethill St (Wright)
Ratray, J., & Sons (R.P.), 233 Hope St.
Renfrew, J. T. & W. (R.P.), 240 Gt. Western Rd.
Renfrew, R. S. (R.P.), 140 North St.
Renwick, J., 248 West George St.
Ritchie, D., 32 Elmbank St. (Masons)
Rogerson, R., 52 Mount St. (Joiner)
Rome, G., & Co., 136 Waterloo St. (Plasterers)
Ross, A. M., & Sons, 10 & 12 Ann St., City (Slaters)
Ross, J., 175 West Campbell St.
Ross, J., 9 Killermont St. (Wright)
Russell, J., 71 Cumbernauld Rd. (Wright)
Russell, L. (R.P.), 330 St. Vincent St.
Saffney, P., 53 Abercrombie St. (Wigt.)
Scott, A. & J., 247 Sauchiehall St. (Painters)
Sellars, G., 241 W. George St. (Ptr.)
Sellar, J., & Co., 37 Kelvin St., Partick
Sharp & Co., 44 Dundas St., City (Plumbers)
Sharp, G., & Son, 37 Holmhead St. (Masons)
Shaw, W., & Sons, 94 Commerce St. (Masons)
Sinclair, J. P., 23 Macfarlane St.
Smeaton, J., 583 Govan Rd. (Joiner)
Smith, P., 8 Mason St. (Sculptor)
Speed, J., 17 Rosevale Street, Partick
Spiers, M., & Sons, 95 Bothwell St. (Plumbers)
Sproul, M., Hutcheson St. (Plumber)
Stalker & Daye, 112 Gt. Western Rd. (Plumbers)
Steven, W., & Sons, 481 London Rd. (Brickbuilders)
Stevenson, R., & Son, 25 Risk St. (Sltrs.)
Stewart, J., 57 Cadden St. (Slater)
Stewart, J. & T., 10 Wallace St., S.S. (Slaters)
Stewart, T., & Co., 291 Shields Rd., S.S.
Stoffert, R. A., 121 Bath St. (Steel and Concrete Work)
Struthers, J., & Son, 00 Pitt St. (Plasterers)
Symington, J. M. (R.P.), 571 Cathcart Rd.
Thaw & Campbell, Paton St.
Thompson, A., 100 Abbotsford Place (Mason)
Thompson, J., 100 Sword St. (Mason)
Thompson, W., 95 Dumbarton Rd., Partick (Plasterer)
Thomson, R. (R.P.), 281 Duke St.
Tonner, W., 85 Douglas St. (Plstr.)
Twaddle, H., & Son (R.P.), 179 Gallowgate
Twaddle, J. (R.P.), 505 Gallowgate
Ure, A., & Co., 355 New Keppochhill Rd. (Ironfounders)
Vickers, W., 221 West Regent St. (Carver & Modeller)
Walker & Dick, 258 Paisley Rd. (Joiners)
Wallace & Connell, 44 St. Enoch Sq., (Plumbers)
Walton, G., & Co., Ld., 35 Buccleuch St. (Decorators & Glass Stainers)
Watson, A., & Co., 30 George St. (Plumbers)
Watson, J., Balshagray, Partick (Wright)
Webster, Walker, & Webster, 396 Crown St.
Weir, W., 69 Nicholson St. (Plmbr.)
Wemyss & Livingstone, 39 Victoria Rd. (Plasterers)

Scotland—*continued.*

White, J. H., & Sons, 133 Albert Rd., Pollok-shields (Masons)
White, P., Chatham Place (Slater)
Whyte, T., 10 Cambridge St. (Wright)
Youden, J., & Co., 12 Bothywell St. (Marble Cutters and Tile Layers)
Young, J., 197 Dumbarton Rd. (Sclpr.)
Young, J., 6 Balmore St., Possilpark (Plumber)

GLENFARG.

Deas, A. (Joiner)
Deas, W. (Mason)

GLENLUCE, S.O.

Rusk, J.
Templeton, J.

GLENSHEE, Blairgowrie.

Grant, D. S. (Mason)

GOLSPIE.

Fraser, O., & Son (Masons)
Mackay, A. (R.P.)
Nicol, J. & J. (Joiners)
Sutherland, J. (Slater)
Watson, A. (Painter)

GOREBRIDGE.

Bennet, T. & M.
Braid, J. (R.P.)
Clapperton, J., & Sons (Slaters)
Cochrane, J. (Painter)
Crockett, W., Dewarton
Macfarlane, W. (Joiner)
Rinsley, J. (Joiner)
Smith, R. (Joiner)
Thomson, T.

GOUROCK.

Baldwin, G., Shore St. (Joiner)
Black, A., Kempock St. (Joiner)
Callendar, J., Castle Gdns. (Slater)
Callendar, J. S. (Plasterer)
Fairgrieve, A., & Sons (R.P.).
Hall, R. Royal St. (Joiner)
Russell, G. H., 104 Shore St. (Slater)
Sharp, M., Kempock St. (Plumber)
Simpson, J. & R., King St. (Joiners)
Slaven, M., 22 Hopeton St. (Plasterer)
Steel, J., 38 Cardwell Rd. (Mason)
Tarbet, W. S., 9 Bath St. (Joiner)
Tweedale, D., John St. (Joiner)

GRANGEMOUTH.

Aitken, H. (Mason)
Baird, P. (Slater and Plasterer)
Farquhar, J., Railway St. (Joiner)
Kincaird, P. (Plumber)
Marshall, W. (Joiner)
Morrison, W., Grange St. (Plumber)
Primrose, G. (Mason)
Primrose, J. (Mason)
Russell, J. (Slater and Plasterer)
Rutherford, D., Dundas St. (Joiner)
Sands, J. (Joiner)
Taylor, A., Dundas St. (Plumber, &c.)
Williamson, A., Oxgang (Joiner)
Young, G. & E. (Plumbers, &c.)

GRANTOWN.

Grant, A., Macpherson

GREENLAW.

Hunter, J. & Sons (Joiner)
Smeaton, A
Steel, H., & Son

GREENOCK.

Adam, J., 10 Tobago St. (Joiner)
Agnew, J., 22 Crawfurd St. (Joiner)
Aickenhead, R., & Sons, 37 Trafalgar St. (Masons)
Austin & Kinnaird, 10 Bogle St. (Wrights)
Barclay, J. S., WestBreast (Plumber)
Boag & Black, Sugarho. La. (Slaters)
Boyd, J., 5 Brougham St. (Joiner)
Brown, C., & Son, W. Blackhall St. (Painters)
Burns, P., Argyle St. (Joiner)
Carson, H., & Son. 16 Crawford St. (Plumbers)
Clark & Selkirk, Kilbain St. (Plmbrs.)
Colquhoun, D., 1 Union St. (Painter)
Crawford (R.P.) & Kerr, 6 Bogle St.
Denny & Crawford, 54 Kelly St. (Joiners)
Edgar, C., 24 Union St. (Painter)
Fairgrieve, A., & Sons (R.P.), 6 West Breast
Houston, A., 55 Belville St. (Joiner)
Kirk, J. & R., Campbell St. (Masons)
Kirkwood, T., Houston St. (Mason)
Lyon, D., E. Blackhall St. (& Joiner)
McCreadie, J., Jamaica La. (Plastr.)
McCue, J., 78 Wellington St. (Plastr.)
McEwing, D., Rue-end St. (Gasfitter)
McJannet, J., 46 Inverkip St. (Plbr.)
McPherson, D. K., 80 Roxburgh St. (Slater)
McQuoid, W., St. Michael St. (Jnr.)
Melville, W., 18 Charles St. (Painter)
Miller & Co., Inverkip St. (Joiners)
Miller, J. & A., 20 West Blackhall Joiners)
Mitchell, J., & Son (R.P's.), 5 West Stewart St. (Plumbers)
Murray, J. D., 18 Laird St. (Slater)
Paterson, J., Roxburgh St. (Joiner)
Paterson, W., Jun., Hunter Pl. (Sltr.)
Phillips, D., & Sons, 5 Tobago St. (Slaters)
Smith & McCuaig, 30 Charles St. (Joiners)
Steel, W. & Co., 10 Jamaica St. (Masons)
Steele, Ralston & Co., 26 West Blackhall St. (Plumbers)
Stevenson, A., 48 Wellington St. (Jnr.)
Tannock, Q., St. Michael St. (Plastr.)
Tosh, D., & Sons, Houston St. (Sltr.)
Whitelaw, A., & Co., 76 Drumfrochar Rd. (Bricklayers)
Williamson & Gray, Vennel (Joiners)
Wilson, J. K., 5 West Stewart St.
Wright, P., & Son, 26 Inverkip St. (Slaters)

GULLANE.

Wilson, H.

HADDINGTON.

Cumming, C., Sidegate St. (Slater)
Farquharson, J., Court St. (Joiner)
Grant, W., Hope Park (Mason)
Ormiston, P., & Son, Sidegate St.
Orr, J., Market St. (Joiner)
Ross, T. M. (R.P.), High St.
Runciman, A. (R.P.), Market St.
Stark & Sons, Nungate (Joiners)
Watson, A. (R.P.), Court St.
Whitehead & Son, Market St. (Slatr.)

HALKIRK, Thurso.

Bain, J., Church St. (Mason)
Miller & Taylor (Joiners)
Ross, D. (Joiner)
Sinclair, A. (Joiner)
Weir, A. (Mason)

HAMILTON.

Anderson, T., 16 Haddow St.
Bannatyne, J. & W. (Plastrs. & Sltrs.)
Binning, H., 13 Muir St. (Plumber)
Brown & Henderson (Masons)
Brown, G. L., Townhead St. (Plmbr.)
Dalziel, J. & Son, Muir St. (Joiners)
Downie, R.
Hamilton, C., Parrell Cottages
Hindshaw, W. (Plastr. & Slater)
Maxwell, J. & D. (Joiners)
McGhie, W. (Slater and Plasterer)
Taylor, L., Chapel St. (Plumber)
Wilkie, A., Lamb St. (Joiner)

HARRAY, Orkney Islands.

Firth, S. (Mason)

HAUGH-OF-URR.

Montgomery, R. (Mason)

HAWICK.

Brunton, J., 11 Round Close (Joiner)
Davidson, W., & Sons, Croft Rd. (Plasterers)
Grieve & Co. (R.P.), Buccleugh St.
Guthrie, J., & Sons (R.P.), High St.
Hobkirk, W. & T., 3 & 5 Allars Crescent (Joiners, &c.)
Inglis, A., & Sons, Bridge St. (Jnrs.)
Martin, Scott, & Co., 21 Bridge St. (Joiners)
Miller, J., & Sons, O'Connell St. (Plumbers & Slaters)
Murray, J., & Son, 39 Bridge St. (Plumbers & Slaters)
Oliver, A., & Son, Duke St. (Masons)
Rae & Murdoch, 26 Drumlanrig Sq. (Plumbers & Slaters)
Robson, A. & J., Lothian St. (Jnrs.)
Scott & Thompson, 1 Slitrig Bank (Masons)
Scott, A., 18 Bourtree Place (Mason)
Wood, J. S., Orchard Ter. (Plasterer)

HELENSBURGH.

Condie, C., 31A Princes St. (Plumber)
Crawford, T., 20 Sinclair St. (Plumber)
Dempster, W., Colquhoun Sq. (Slater)
Haul, A., Row, near (Joiner)
Henderson, A., E. Princes St. (Jnr.)
Horn, J., 27 E. Princes St. (Plumber)
Jack, J., 24 Lomond St. (Mason)
Jack, W., 9 King St. East (Joiner)
Kyle, W., 46 Sinclair St. (Plumber)
Maitland, J., Princes St. W. (Slater)
Miller, A., 100 Princes St., E. (Mason)
Reid, J., Colquhoun Sq. (Joiner)
Sheddon, R., Row, near (Plumber)
Spy, J., & Son, Row, near (Mason)
Thom, W., & Son, 32 William St. (Slaters and Plasterers)
Trail, A., Princes St. E. (Mason)
Wilson, J., Colquhoun Sq. (Joiner)

HELMSDALE.

Gordon & McPherson (Joiners)
McDonald, A. (Mason)

Scotland—*continued.*

Matheson, J. S. (R.P.)
Matheson, T. (Plasterer)
Sutherland & Gordon (Joiners)

HOLYTOWN.

Aitken, R., Main St. (Joiner)
Allan, R., Main St. (Slater)
Paterson, J., Edinburgh Rd.

HUNTLY.

Archibald, T. G., Gladstone Rd.
Barclay, A., Old Rd. (Slater)
Bonneyman, A., Aberchirder
Christie, J., Rothieway (Carpenter)
Cormack, W., Queen St. (Mason)
Dey, J., Bogie St. (Carpenter)
Douglas, R., 14 Square (Plumber)
Duncan, W., George St. (Slater)
Grant, A., Cairnborrow (Carpenter)
Henderson, T., Gladstone Rd. (Sltr.)
McKay, —, Deveron St. (Carpenter)
Milne & Son (Slaters)
Milne, G., Forgue (Carpenter)
Mitchell, G., Bogie St. (Painter)
Mitchell, R. & J., Old Rd. (Mason)
Pirie, J., Meadow St. (Carpenter)
Robertson, A., Castle St. (Painter)
Rust, W., 88 Gordon St. (Plasterer)
Stephen, J. (Carpenter)
Wilson, J. (R.P.), 12 Granary St.

INNERLEITHEN.

Graham, G.
Mathieson, R.

INSCH.

Glennie, G. (Slater)
Manson, F. (Mason)

INVERGORDON.

Lamb, A. (Mason)
Macleod, M. (Painter)
Munro, A., (Plasterer)
Munro, G. & J. (Carpenters)
Munro, J. & Co., Joss St. (Cptrs.)
Munro, J. & W. (Carpenter)
Rose, T., Broomhill (Mason)
Ross, R. (Plasterer)
Ross, W., Saltburn (Mason)
Tolmie, W. (Plumber)
Urquhart, R. (Painter)

INVERGOWRIE, Dundee.

Lockhart & Shepherd (Masons)

INVERKEITHING.

Bald, W. M., High St. (Mason)
Cousin, J., & Son, High St. (Jnrs.)
Fair, J. S. (R.P.), High St.
Ferguson, A., High St. (Painter)
Hutton, R., King St. (Joiner)
Kilgour & Gow, High St. (Joiners)
Lambert, J., Townhall St. (Sltr. &c.)
Martin, J., Hope St. (Mason)
McCormack, J., Hillend (Mason)
McGregor, J., Queen St. (Slater)
Mercer, J., King St. (Mason)
Morris, Bros., St. David's (Masons)
Morrison, D., Harbour Pl. (Joiner)
Ogg, J., Hope St. (Painter)
Stewart, D., High St. (Plumber)
Watson, T., Hillend (Joiner)

INVERNESS.

Alexander & Son, Crown Drive (Msns.)
Anderson, A., & Son, Dempster Gdns. (Joiners)
Black, R., & Sons, 57 Academy St. (Plumbers)
Brown, J., 26 Hamilton St. (Plumber)
Cameron, D., Ballifeary (Mason)
Cameron, J., Lombard St. (Painter)
Cameron, K., Ness Walk (Painter)
Cameron, P., Crown Ter. (Carpenter)
Campbell, J., Ardross Pl. (Mason)
Chisholm, K., 93 Church St. (Pntr.)
Fowler & Kennedy, Rangemore Rd. (Plasterers)
Fraser, A., Abban St. (Slater)
Fraser, A. C., Kenneth St. (Slater)
Fraser, A. D. (R.P.), Castle St.
Fraser & McDonald, Kenneth St. (Carpenters)
Fraser, J., Tanners Lane (Plasterer)
Fraser, R., Kingsmills Rd. (Mason)
Fraser, S., Academy St. (Painter)
Fraser, W., Glen Urquart Rd. (Mason)
Grant & Johnstone, Celt St. (Crptrs.)
Gray, J., & Son, 8 Friars La. (Sltrs.)
Johnstone, R., Abban St. (Carpntr.)
Junor, A., Ness Bank (Mason)
Macandie, W., Factory St. (Plasterer)
MacBean, J., Dempster Gdns. (Carp.)
McDonald, D., 25 Bridge St. (Pntr.)
McDonald, P., Friar's St. (Carpntr.)
McDonald, T., Muirfield Rd. (Mason)
McDonald, W., George St. (Carpenter)
MacIntosh, J. (R.P.) Castle St.
Mackay & Maclean, 49 Castle St. (Plumbers)
Mackay, C., Dempster Gardens
McKenzie, A., Greig St. (Mason)
McLaren, T., Haugh Rd.
McLean, L., & Son, Cawdor Rd (Masons)
McLennan, C. H.
McLennan, D., 9 Glebe St. (Carptr.)
McLeod & McIntosh, Church St. (Painters)
McPhee, J., Hill St. (Plasterer)
McVinish, H., Lochalsh Rd. (Msn.)
Matheson, D., Church St. (Plumber)
Michael & Co., Huntly St. (Cptrs.)
Munro, J., & Sons, Dempster Gdns. (Painters)
Munro, R., Tomnahurich St. (Carptr.)
Nisbet, J., Stephen's Brae (Plumber)
Noble, A., & Co., Duncraig St.
Reid, J., Kenneth St. (Slater)
Robertson & Gillies, Longman Rd. (Carpenters)
Rose St. Fdy. & Eng. Co., Rose St.
Ross, W., & Son, Castle St. (Painters)
Russell, A. J., Baron Taylor's Lane (Plumber)
Sinclair, J., & Son, Harrowden Rd. (Slaters)
Smith, A. & D., Huntley St. (Carptr.)
Stewart & Maclean, Lyon's Court (Joiners)
Sutherland & Mackay, Lochalsh Rd. (Joiners)
Taylor, A., & Co., Ardconnel Ter. (Slaters)
Taylor, W., 5 Douglas Row (Slater)
Thomson, A., & Co. (R.P.), 100 Church St.
Tulloch, T., 64 Church St. (Painter)

INVERURIE.

Laing, J., & Sons (R.P.)
Lander, W. (Mason)
Milne, W. (Slater)
Milne, J. (Carpenter)
Mitchell, G. (Slater)
Sievwright, J. (Plasterer)
Watt, J. (Carpenter)

IRONGRAY.

Fair, J., Chapelcroft (Mason)
Hunter, J., Shawhead (Joiner)

IRVINE.

Armour, J., & Son (Masons, &c.)
Armour, T. (Carpenter and Joiner)
Brown, G. & A. (Masons, &c.)
Gilfillan & Macdonald (Painters)
Hall, T., & Son (R.P.) (and Slaters)
Jack & Co. (Joiners)
Johnston, J. (R.P.) (and Slater)
Kier & Son (Slaters)
MacLachlan, W., & Son (Masons, &c.)
Parker, A. (Carpenter and Joiner)
Stobie, D. (Plasterer)
Wark, C. (Carpenter and Joiner)
Wark, H. (Mason)
Yule, R. (Carpenter and Joiner)

JEDBURGH.

Aitkin & Heatlie (Plasterers)
Brunton, W., & Son (Masons)
Inglis, A., & Sons (Joiners, &c.)
Oliver, A., Market Pl. (Plumber)

JOHNSTONE.

Blair, J., Laigh Cartside St. (Slater)
Hutton & Wicklow, Houstona Sq.
Jaffrey, P., Hall Crest. (Mason)
Jaffrey, W. & Sons Campbell St. (Msns)
Keanie, J., Thomson Av. (Mason)
Love, R. (R.P.), 9 William St.
McKee, D., High St. (Joiner)
McPherson, D. & Son, Floor St. (Joiners)
Murdoch, C., & Sons (R.P.), High St.
Robertson, J., & Son, Ludovic Sq. (Slaters and Plasterers)
Thomson, G., & Son, 15 Collier St. (Slaters and Plasterers)
Thomson, J., & Co., Mary St. (Sltrs.)
Williamson, G. (R.P.), 15 High St.
Williamson, J., Houstona Sq. (Jnr.)

JUNIPER GREEN, Midlothian.

Turner, J. (Trustees of)

KEITH.

Annand, J., Mid St. (Plumber)
Cameron, G. & R., Broombill (Cptrs.)
Cormack, J., Land St. (Carpenter)
Cruickshank, W., Broomhall (Mason)
McConnachie, M., Mid St. (Painter)
McKay, G., 124 Land St. (Plasterer)
Rathie, R. K., Mid St. (Plumber)
Simon, J., Mid St. (Painter)
Stewart, T., Hyde Park (Mason)
Strachan, A., Land St. (Slater)
Wright, A. & R., Moss St. (Slater)

KELSO.

Bruce & Sons
Dickieson, W.
Scott, J. (Joiner)

KENNETHMONT.

McKenzie, —, Kirkhill

KETTLE.

Borwick, T. & M.

Scotland—*continued.*

KIBLBARCHAN, Johnstone.
McColl, A.

KILCONQUHAR, S.O.
Forrest, M. (Joiner)

KILLEARN.
Sinclair, A. & J. (Wrights)

KILMALCOLM, S.O.
McIlwraith, D. (R.P.)
Miller, J. (Mason)

KILMARNOCK.
Aird, A., 2 Bank Place (Painter)
Allan, G.C., Loanfoot Ter., Irvine Rd.
Anderson & Innes, E. George St. (Jnrs)
Anderson, W., 52 Bank St. (Pntr.)
Boyd & Forrest, West Langlands St. (Masons)
Bowie, A., Titchfield St. (Joiner)
Brown, J., Waterside St. (Slater)
Calderwood, A., John Finnie St. (Msn.)
Daly & Foy, 8 Richardland Rd. (Plasterers)
Dickson, J., Waterside St. (Joiner)
Dow, W., St. Marnock St. (Plumber)
Elder, F., St. Marnock Pl. (Plastr.)
Gilchrist, A. & H., 40 Grange St. (Painters and Glaziers)
Gillespie, W., 8 Loanhead St. (Mason)
Graham Bros., 41 Grange St. (Ptrs.)
Inglis, J., Waterside St. (Mason)
McCrone, A., 7 Armour St.
McInnes, J., Sturrock St. (Plumber)
Muir, W., & Co., Bank Place (Masons)
Murchland, W. (R.P.), 13 Bank St.
Orr, W., 7 John Dicker St. (Painter)
Paterson, J., St. Andrew St. (Joiner)
Pollock, W., John Finnie St. (Mason)
Robertson, R. C., & Son, King St. (Glaziers)
Rome, G. & W., Back St. (Plasterers)
Rome, J., & Son, Woodstock St. (Joiners)
Scott, J., & Son, Portland St. (Jnrs.)
Smith, W., 113 Campbell St., Riccarton (Joiner)
Stevenson, R. (R.P.), 56 Bank St.
Templeton & Walker, 33 Portland St. (Plumbers)
Whyte, W., Holehouse Rd. (Mason)
Wight, J. (R.P.), 32 Grange St.
Wylie, T., Waterloo St. (Plumber)
Yuille, R., & Sons, 67 Portland St. (Slaters and Plumbers)

KILWINNING.
Allan, R. (Plumber)
Arnot, J. (Carpenter and Joiner)
Baillie & Jack (Masons)
Brown, T. (Carpenter and Joiner)
Greig, W. (Mason and Bricklayer)
Hunter, G. (Mason)
Young, J., West Doura (Mason, &c.)

KINGUSSIE.
Macdonald, J., Delliefour House

KINROSS.
Bogie, J., High St.
Duncan, A. (Painter)
Hutchison, A. E. (Plasterer)
Porteous, G. (R.P.), Main St.

KINTORE, S.O.
Craig, A. (Carpenter)
Smith, J. (Mason)

KIPPEN.
Syme, T.

KIRKCALDY.
Balfour Bros., 22 Rosabelle St. (Msns.)
Berry, P., Park Rd., Sinclairtown (Joiner)
Blews, D., 110 High St. (Painter)
Blyth & Dougall, Institution St., Sinclairtown (Plumbers)
Bogie & Nicoll, Glebe Park (Joiners)
Brown, J., School Lane, Gallatown (Mason)
Brown, W., Hunter St. (Mason)
Carmichael, A., 167 Commercial St. (Joiner)
Carmichael, H., Oswald Wynd. (Jnr.)
Clephane, D., 75 Nicol St. (Joiner)
Clunie R., & Sons, Hill St. (Joiners)
Currie & Cant, Dunnikier Rd. (Sltrs.)
Easton, W. & J., 41 Lina St. (Plstrs.)
Fraser, A., jun., 141 Forbes St., Pathhead (Mason)
Gourlay, G., 5 High St. (Painter)
Grant, W., Kirk Wynd (Plasterer)
Gray, John. Pottery St. Gallatown (Mason)
Haxton, J., 92 High St. (Glazier)
Henderson, J., St. Clair St., Sinclairtown (Painter)
Henderson, J., Dunnikier Rd. (Plmbr.)
Henderson, R. & Co., 193 Links St. (Plumbers)
Hitchin, J., Commercial St., Pathhead (Painter)
Hunter, R., Linktown (Joiner)
Hutchison, A., Aitken St. (Plastr.)
Hutchison, H., Bell Wynd (Plumber)
Kilgour, W., 15 Balfour St. (Mason)
Kinlay, J., 34 Nether St., Pathhead (Painter)
Kirk, A., Commercial St., Pathhead Plumber)
Laing & Co., Links St. (Plumbers)
Lawson, J., Alexandra St. (Slater)
Lornie, A., 6 Links St. (Painter)
Loudin, D., 43 High St. (Painter)
McConnochie, A., & Son, High St (Plumbers)
McKay, J., Helen St. (Mason)
Menzies Bros., Cloanden Pl. (Masons)
Menzies, T. & G., Bennochy Rd. (Masons)
Michie, A., 173 High St. (Plumber)
Milne, J., & Son, James' Grove (Masons)
Page, R., Dawson Place, Pathhead (Slater)
Pye, J., St. Clair St., Sinclairtown (Plumber)
Ramsay, J., Coldwynd (Joiner)
Rough, T. P., 9 Nicol St. (Joiner)
Scott & Co., Factory Rd. (Joiners)
Simpson, A., 263 High St. (Painter)
Simpson, D., High St. (Joiner)
Smith, G., & Sons, St. Mary's Ter., Dunnikier Rd. (Masons)
Smith, J., Dunnikier Joinery Works
Stewart, I., High St. (Painter)
Tait & Jeffreys, Townsend Place (Painters)
Williamson & Gourlay, Bank St., Sinclairstown (Plasterers)
Wishart, D., Den Rd., Pathhead (Joiner)
Wishart, J., Milton Rd. (Joiner)
Wishart, M., Alexandra St. (Joiner)
Wood, J., & Sons, 334 High Street (Plumbers)
Wright, D., Nicol St. (Plasterer)
Wright & Reckie, Institution St., Sinclairstown (Masons)

KIRKCUDBRIGHT.
Clingan, A., Castlesod
Wallace, W., Daar Lodge

KIRKINTILLOCH.
Caldwell, J., & Sons, Alexandra St. (Slaters)
Cunningham, J., Cowgate (Plumber)
Montgomery, J., Townhead (Painter)
Somerville, A., Freeland Pl. (Plastr.)
Somerville, R., Queen St. (Joiner)

KIRKLISTON, S.O.
Bowmaker, G. (Joiner)

KIRKMICHAEL, near Blairgowrie.
Fraser, D., Ennochdlin (Joiner)
Gordon, J. (Mason)
Keay, J., Netherton, Clarguhar (Jnr.)
Kennedy, J., Dalrulzion (Joiner)
McGregor, J., Williamstown (Slater)
Small, J., Bannerfield (Joiner)

KIRKPATRICK DURHAM, via Dalbeattie.
Milligan, R. (Slater)
Riddick, R. (Joiner)
Roxburg, A. & P. (Masons)

KIRKWALL.
Baikie, S., & Son, Junction Rd.
Bain, G., Palace Rd. (Painter)
Corsie, J., Junction Rd. (Joiner)
Firth, W., Victoria St. (Mason)
Hewison, L., Albert Lane (Painter)
Peace, W. B., & Son, Junction Rd.
Rendall, J. S. (Plumber)
Sinclair, A. (Slater)
Smith, A., Catherine Pl. (Plasterer)
Wilson, J., & Son, (Joiners)

KIRRIEMUIR.
Adams, A., Gordon Park (Plumber)
Barry & Guild, Roods St. (Painters)
Crabb & Ballentine (Masons)
Davidson & Herald (Joiners)
Fife, A., Glengate St. (Plumber)
Low, J., Marywell St. (Joiner)
McDonald, W., Southmuir (Mason)
McGregor, A., Rood St. (Plumber)
Mills, J., Brechin Rd. (Slater)
Mitchell, D., 25 Marywell St. (Mason)
Munro, G., Reform St. (Plasterer)
Ogilvy, C., Airlee St. (Joiner)
Savege, D., 5 High St. (Painter)
Stewart, A., & Sons, (Slaters, &c.)
Thorns, J., Glengate St. (Plasterer)
Watson, J., & Son (Masons)

LADYBANK.
Nairn, D.

LAIRG.
Graham, R., Lochinver (Mason)
Mackay, W., Durness (Joiner)
Mackay, W., & Son, Tongue (Masons)
Mackenzie, J., Torroble (Slater)
McKewine, D. (Slater)
McMillan, A. (Mason)

Scotland—*continued.*

Murray, W., & Son (Carpenters)
Whyte, G., Durness (Mason)

LANARK.
Brown, J., & Son, N. Vennel (Joiners)
Currie, W., Wellgate (Joiner)
Dale, W. F., Wellgate (Painter)
Day, W., & Sons, High St. (Masons)
Dunlop & Co., St. Leonard St. (Masons)
Flemington, R., 121 High St. (Pntr.)
Glaister, J., North Vennel (Slater)
Glaister, T., Greenside Lane (Slater, Plasterer & Plumber)
Hamilton & Canon, Furrowflats (Jnrs.)
Howe & Brown, Castlegate (Plmbrs.)
Lithgow, J., Portland Place (Slater)
Lithgow, T., Furrowflat (Slater, &c.)
McLehose & Sons, Waterloo Rd. (Masons)
Maxwell, J., & Son, Castlegate (Msns.)
Morton, W., Jerviswood Rd. (Mason)
Murphy, N., Wellgate Head (Painter)
Paton, J., High St. (Painter)
Penman, D., North Vennel (Joiner)
Purdie, D., & Sons, North Vennel (Joiners)
Ritchie, W. & R. (Masons)
Rorke, P., High St. (Joiner)
Thaw & Jardine, High St. (Joiners)
Warden, J. L., Wellgate (Plumber)
Wilson, D. & J., Hope St. (Joiners)
Wood, J., Wellgate (Plumber)

LANGHOLM.
Bell, J., & Son (Plasterers)
Clark, D., 30 Charles St. (Painter)
Cowan, M. (Slater)
Elliot, J., Henry St. (Mason)
Goodfellow, J. (Painter)
Hotson, J., 11 Buccleuch Ter. (Mason)
Hyslop, M. (Painter)
Hyslop, W., 21 Caroline St. (Mason)
Knox, M., Caroline St. (Joiner)
Milligan, R. B. (Joiner)
Ramage, R., High St. (Plumber)
Telfer, T., 33 Henry St. (Mason)
Telford, J., High St. (Joiner)
Turnbull, J. (Slater)
Wallace & Allan (Plumbers)
Wilson, A., Charles St. (Joiner)

LARBERT.
Anderson, S. (Joiner)
Brunton, G. (Plumber)
Campbell, D. (Painter)
Cowan, A. (Joiner)
McLachlan, J. J. & P. (Masons)
Primrose, J., Dunmure (Mason)
Simpson & Young (Joiners)
Stein & Sneddon (Painters)
Stuppart, J. D. (Slater)
Ure, J., Carnock (Joiner)

LARGO, Fifeshire.
Broomfield, P. (Joiner)
Gilchrist, R., & Son (Masons)
Horne, W. (Joiner)
Kinnear, G., Lunden Links (Mason)
Melville, R. (Plumber)
Welsh, A. (Plumber)
White, A M., Lunden Links (Mason)
Wilson, A. (Plumber)

LARGS, Ayrshire.
Aitkenhead & Sons (Masons)
Anderson, R. (R.P.)
Barclay, G. (Mason)
Brown, J., (Joiner)
Carswell, Bros. (Joiners)
Duff, W. & T. (Joiners)
Emerson, A. (Plasterer)
Gillespie, M. (Slater)
Guthrie, D. (Painter)
Hunter, J. (Joiner and Mason)
Jack, J. (Plumber)
Livingstone, A. (Plumber)
McKee, J. (Painter)
Moodie & McMillan (Slaters)
Stewart, S., & Son (Slaters)
Stirling, W. (Plasterer)
Tyre, W. (Joiner)
Walker Bros. (Painters)

LARKHALL, Laurencekirk.
Burns, J. C., & Co. (Wrights)
Montgomery, J., John St. (Mason)
Morrison, J. (Wright)
Smith, A. (Painter)
Watson, J. (Wright)

LAURIESTON.
Drummond & Crow (Sltrs. & Plstrs.)
Maxwell, J. D. (Slater)
Maxwell, P. (Plasterer)
Ramsey Bros., (Masons)
Smith, B. (Mason)
Todd, A. L. (Joiner)

LEITH.
Baxter, W., 14 Dock St. (Mason)
Boleyn, J., Ballantyne Rd. (Sculptor)
Brown, J., 7 Cambridge Av. (Brkbldr.)
Brown, W. & J., 5 Pirrie St. (Pntrs.)
Christie, W. & S., 78 Constitution St. (Slaters)
Cochrane, J. (R.P.), 44 Kirkgate
Collier & King, 109 Giles St. (Plbrs.)
Cunningham, J., & Sons, Bath St. (Jnrs)
Dobbie, J. A., & Co., Pattison St. (Roads, Asphalters and Tilers)
Duff, J., 9 Maitland St., Newhaven (Painter)
Dunse, J., Hope St. (Slater)
Field & Allan, 60 Bangor Rd. (Tile layers)
Finlayson, W., Balfour St.
Fisher & Son, 23 Henderson Garden (Joiners)
Galloway, M. P., 24 Shore (Plumber)
Gavin, J. R., 42 Bath St. (Slater)
Gilmour & Co., Dalmeny St. (Jnrs.)
Hadden & Son, 99 Constitution St. (Painters)
Hamilton, J. & W., 26 Bowling Green St. (Joiners)
Hay, W., Cargill Terrace, Trinity
Henderson & Wilson, 81 Charlotte St. (Joiners)
Johnston & Rose, 32 Coburg St. (Joiners)
Kirkpatrick, T., 112 Constitution St. (Painter)
Knox, P., & Sons (R.P.s), 31 Crighton Place, Leith Walk
Liddle, R., 98 Constitution St. (Plmb.)
Lockhart, W. L., 54 Shore (Plumber)
Mackay, N., Morton St. (Mason)
McLean, —., South Fort St. (Slater)
McPherson, T., 134 Duke St. (Plstr.)
Martin, D., 4 Allan St. (Painter)
Melrose, J., & Son, 19 Bonnington Rd. (Masons)
Melrose & Thomson, 29 Albert St. (Masons)
Mitchell, C., 22 Dock St. (Painter)
Muir, J., 21 Manderston St. (Plmbr.)
Muirhead, H., 88 Constitution St. (Painter)
Ogilvy, A., 63 Duke St. (Slater)
Peebles (D. Bruce) & Co., Tay Wks., East Pilton (Electricians)
Porteous, A. (R.P.), 148 Bonnington Rd.
Reid, G., 38 Bernard St. (Plumbe
Scott & Davie, 26 Morton (Plasterers)
Slimon, R. & D., 40 Shore (Plumbers)
Stewart & Bucher, 187 Gt. Junction St. (Plumbers)
Sutherland, J. & D., Pirrie St. (Jnrs.)
Sutherland, J. L., 48 Commercial St. (Painter)
Sutherland, J. S., 7 Charlotte La. (Plstr
Swan, W., Pitt St. (Mason)
Tait, A., 95B Constitution St. (Pntr.)
Thomson, J. W., 102 Duke St. (Pntr.)
Thomson, W. (R.P.), 137 Ferry Rd.
Turnbull, W., 53 Duke St. (Smith)
Wright & Davie, Bryson Rd.

LENZIE.
McInnes, D., Queen's Bldgs. (Plbr.)
McKenzie, T. (Plumber)
Turnbull, G. (Wright)

LERWICK.
Aitken, J. M., Commercial Rd.
Anderson, J., Hill Head (Mason)
Angus, J. S., Pitt Lane (Joiner)
Clark, J., Pitt Lane (Plumber)
Couts & Robertson (Joiners)
Douglas, A. B., Market St. (Slater)
Duncan, M., Amsbrae Pl. (Joiner)
Fordyce, S. W. (R.P.), Esplanade
Gair, W., Harbour St.
Gray, G., Market St. (Slater)
Halcrow, J., Commercial Rd. (Joiner)
Martin, P., Esplanade (Painter)
Morrison, J., Union St. (Mason)
Morrison, M., Harbour St. (Joiner)
Nicholson, W., Market St. (Joiner)
Robertson, J., Esplanade (Painter)
Sinclair, H., Stouts Court (Mason)
Sinclair & Hardie, Commercial St.
Smith, J. M., Market St. (Painter)

LESLIE.
Dewar & Son
Lowe, J.

LESMAHAGOW, S.O.
Baxter, J., & Sons (Joiners)
Bertram, J., & Sons (Sltrs. & Plsts.)
Chalmers, J., Crossford (Joiner)
Clarkson, J., & Sons (Masons)
Crosbie, J. & R. (Plumbers)
Hutchison, J., Lilybank (Joiner)
Muir, W. (Mason)
Simpson, J. (Joiner)
Stewart, J. (Joiner)

LEVEN.
Barker, R., Bridge St. (Plumber)
Bell, J., High St. (Plumber)
Birrell, J., High St. (Joiner)

Scotland—*continued.*

Knox, J. (Plasterer and Slater)
McRuvie, A., & Son (Masons)
Neaves, C., & Son (Plasterers, &c.)
Robertson, W., Links (Joiner)
Rolland, J. C. (Painter)
Smith, A., High St. (Painter)
Walker, A., High St. (Plumber)
Wilkie & Gibb (Masons & Joiners)
Wilkie, J., Links (Mason)

LINLITHGOW.
Anderson, C. (Plumber)
Alexander, T. (Slater & Plasterer)
Bathgate, A. (Joiner)

John Brock,

▼ ▼ ▼

Builder . .

and

Contractor,

LINLITHGOW.

Brough, J. (Joiner)
Duncan, P., & Son, Winchburgh
Fleming, P. (Plumber)
Frame, J. (R.P.)
Grant, A. (Slater & Plasterer)
Meek & Kelso (Slaters & Plasterers)
Phillip, R. & W.
Ritchie, G. (Joiner)
White, J. (Joiner)

LOANHEAD, S.O.
Kay, W. (Plumber)
Watson, R.

LOCHALSH, S.O.
Fraser, D. (Painter)
Mackintoch, G. G. (Plumber)
Murchison, J. (Mason)

LOCHANS, Stranraer.
Johnston, J., Endfield House

LOCHCARRON, S.O.
Hall, A. (Painter)
Mackenzie, D. & R. (Masons)
Mackenzie, J. (Carpenter)
Stewart & Mackenzie (Masons)

LOCHGELLY.
dams, J. (Mason and Bricklayer)

LOCHMADDY.
Bain, W.

LOCKERBIE.
Bell, S. (Plumber)
Brockie, W. & J. (Joiners)
Drummond, P., & Son (Plumbers)
Irving, A., Townhead (Joiner)
Irving, T. J., Harcourt Pl. (Joiner)
Laidlaw, J. (Plasterer)
Lawson, W., Livingstone Place
McKinnon, T. (Slater)
Moffat, E. (Slater)
Park, J., Union St.
Ross, M., Livingstone Place
Schooler, J., Townfoot

LOCHWINNOCH, S.O.
Keanie, J. (Mason)

LOSSIEMOUTH, Elgin.
Christie, W. (Mason)
Gilbert, J., Stotfield (Carpenter)
Grant, G., Branderburgh (Carpenter)
Leslie, W. (Slater)
Murray, W. (Slater)
Ritchie, W., & Sons, Branderburgh (Carpenters)

LUNDIN LINKS, Lr. Largo, S.O.
White, A. M., & Son

MACDUFF.
Boyd, W. A., Market St. (Painter)
Connel, T., Shore St., (Plumber)
Dawson, A., Ross St. (Mason)
Gordon, J., & Sons, Schoolhill (Jnrs.)
Hepburn, W., Church St. (Joiner)
Hutcheson, G., Hutcheson St. (Joiner)
Hutcheson, J., Gellymill St. (Joiner)
Massie, G., Gellymill St. (Plasterer)
Minty, A., Duff St. (Joiner)
Morrison, G., jun., Skene St. (Msn.)
Ross, A. G., Gellymill St. (Slater)
Scott, W., High St. (Slater)
Simpson, J., Gellymill St. (Plasterer)
Stewart, D., Gellymill St. (Painter)
Thom, W., Shand St. (Joiner)
Wilson, J., Clergy St. (Slater)
Wilson, W., Gellymill St. (Joiner)

MARKINCH.
Barrie, G. (Mason)
Davidson, T. (Plasterer)
Grieve, D. & J. (Plasterer)
Henderson, W., & Son
Mitchell, A. (Slater and Plasterer)
Robb, G. (Plasterer)
Spittal, W. (Plasterer)
Walker, J. (R.P.)

MAUCHLINE.
Boyd, J. (Wright)
Hyslop, A., Johnfield Villa

MAXWELLTOWN.
Brown, J., & Son, Glasgow St. (Mns.)
Cairns, S., & Son (Painters)
Crackston, J., & Sons (Masons)
Fergusson, A., David St., (Joiner)
Grierson, D., 67 College St. (Painter)
Hanna, J., 54 College St. (Plasterer)
Hastings, R. C., College St. (Slater)
McKay, W., 8 Market St. (Plumber)
McKill, G. & Sons, Nelson St.
McKinnel, N., Market Sq. (Slater)
Muirhead & Son (Painters)
Steel, A., Galloway St. (Joiner)
Tait, J., 16 David St. (Mason)
Telfer, D., 10 Terregles St. (Plasterer)
Warnock, J., Learig Cottage (Mason)
Weston, S., 33 Market St. (Slater)
Williamson, Mrs., Terregles St. (Jnr.)

MAYBOLE.
Austin, J., Barns Rd. (Carpenter)
Gordon, J., Main St. (Slater)
Johnstone, J., Main St. (Slater)
Kerr, J., St. Cuthberts (Plasterer)
Maltman, J. & F., Whitehall
Rowan, J. B., Main St. (Painter)
Thomson, J., Main St. (Plumber)

MELROSE.
Brown, T. & Sons (Joiners)
Dodds, J. (Joiner)
Jardine, J. (Plumber)
Speirs, J.

MENSTRIE, S.O.
Drummond, D. (Joiner)

METHIL, S.O.
Farmer, J. & J. (Masons)
Rose, D. (Joiner)

METHVEN, Perth.
Eadie, A. (Slater)
Keay, P. (Mason)

MILLPORT, S.O.
Duncan, T. (Wright)
McDavid, W. (R.P.)
Taylor, W. (Wright)

MILNATHORT.
Davidson & Philps
Deans, J.
McIntyre, R. (Painter)
Symon, B. (Mason)

MILNGAVIE.
McMillan, A. & D. (Wrights)

MOFFAT.
Drummond, P., & Son (Plumbers)
Henry, J. (Joiner)
Hepburn, A. (Plumber)
Richardson, P. (Slater)
Williamson, J. (Joiner)

MONIAVE, by Thornhill.
McCulloch, J. (Mason, &c.)
McMichael, S. (R.P.)

MONIFIETH, S.O.
Dick, C., Junr., (Mason)
Hay, J. B., High St. (Joiner)
Henderson, W., Panmure St.
Millar, J., High St.
Ramsey, A., Brook St.
Ross, W., High St. (Painter)
Stewart, G., Union St. (Plumber)
Tullis, J., High St. (Joiner)

MONTROSE.
Black, J., River St. (Mason)
Bowman, J., North St. (Plasterer)
Brown, A., John St. (Mason)
Burness & Son, Murray St. (Plastrs.)
Cathro, G., Castle St. (Painter)
Clark, A., & Son, 33 Bridge St. (Ptrs.)
Craigie, J. & W., Lr. Balmain St. (Jrs.)
Dakers, W., Mill St. (Mason)
Davidson, J., Chapel Rd. (Joiner)
Fettis & Stephen, Lr. Hall St. (Jnrs.)
Ford, J., & Son, George St. (Masons)
Fyfe, J., 33 Murray St. (Painter)

Scotland—*continued.*

Grass, J., 16 New Wynd (Painter)
Hird, J., & Son, Panmure Row (Joiners)
Keillor, J., & Son, 39 Northesk Rd. (Slaters)
Lindsay, J., & Son, Hill St. (Slaters)
Mathers, J., & Co., George St. (Ptrs.)
Middleton, A., Academy Lane (Ptr.)
Moug, A., Murray St. (Plumber)
Pert, R., & Son, L. Balmain St. (Msns.)
Raitt, J., George St. (Joiner)
Reid & Burnett, 23 George St. (Mns.)
Reid, D., 106 Murray St. (Painter)
Smith, G. M., High St. (Plumber)
Taylor, A., 11 Bridge St. (Plumber)
Warden, J. L. (R.P.), Lr. Hall St.
Wood, C., & Co., Baltic St. (Plumbers)

MOSSEND.
Law & Macfarlane (Painters)

MOTHERWELL.
Alston & Campbell, Brandon St. (Plumbers)
Chambers, W., & Sons, Albert St. (Joiners)
Clow, J., Hope St. (Painter)
Craig, J., Windmillhill St. (Plstr.)
Cuthbertson & Tweedie, Watson St. (Slater)
Dalziel, J., Oakfield Place (Plumber)
Donaldson, R., & Sons, Kirkland St. (Masons)
Ferguson, D., Knowetop (Painter)
Forrest, J., 109 Calder St. (Slater)
Gray, W. P., Merry St. (Painter)
Greig & McCombie, Hope St. (Plstrs.)
Hodge & Barrie, Windmillhill (Ptrs.)
Horton & Ritchie, Brandon St. (Plumbers)
Kemp, J., 103 Merry St. (Painter)
Kidd, W., Windmillhill St. (Joiner)
Kirkland, J., Airbles St. (Mason)
McKenzie, M., Merry St. (Masons)
McLean, H. Hamilton St. (Plstr.)
Millar, T., Hamilton St. (Joiner)
Miller & Ferguson, Orriston St. (Mns.)
Moon & McCracken, Park St. (Msns.)
Muirhead & Ferguson, Knowetop (Joiners)
Narrowmore, F., Muir St. (Painter)
Park, R., Hamilton St. (Mason)
Parker, J., Airbles St. (Plumber)
Reid & Co., Coursington St. (Plbrs.)
Ritchie & Anderson, Coursington St. (Joiners)
Rose, G. & C., Orbiston St. (Joiners)
Russell, R. & Sons, Orbiston St. (Joiners)
Swan, R., Orbiston St. (Plasterer)
Sym, A., Airbles St. (Mason)
Thomson, J. A., Calder St. (Slater)
Watson, G. B., Melville Drive (Ptr.)
Wilkie, J., Brandon (Plumber)

MUCKHART, Dollar.
Younger, S.

MUIR-OF-ORD.
Fraser, J. (Plumber)
Logan & Macdonald (Masons)
Mackintosh, A., & Sons (Carpenters)
Maclean, H. (Carpenter)
Tuach & Macdonald (Masons)
Tuach, W., & Co., (Masons)

MUNLOCHY, S.O.
Mann, S.

MURTHLY BY-PERTH.
Duncan, W. & C. (Masons)

MUSSELLBURGH.
Banks & Son, Inveresk Rd. (Masons)
Bissett, R., & Sons, Millhill (Masons)
Dickson, J. (Joiner)
Dickson, W., 59 High St. (Joiner)
Henderson, J., High St. (Plumber)
McEwan, A. & P., Grove St. (Sltrs.)
Ness, D., High St. (Plumber)
Williamson, J. (Plasterer)

NAIRN.
Reid, A., Wellington Rd. (Slater)
Squair, R. (Mason)
Wink, F. (Plumber)

NEW GALLOWAY.
Coskerie, J.
Johnstone, R. (Joiner)

NEWMAINS.
Cleghorn, W., Fashoda

NEWMILNS.
Allan, J., Campbell St. (Mason)
Brown, J., Londoun Rd. (Mason
Grant, J., (Joiner)
Macpherson, A. (Plumber)
Macpherson & Melville (Masons)
Mair, J., Kilnholme St. (Mason)
Mitchell & Young (Masons)
Mitchell, A. & R., & Co. (Joiners)
Pollok Bros. (Plasterers)
Todd, M., & Co. (Plumbers)
Wallace, M. (Joiner)
Wallace & Torrence (Joiners)

NEWPORT-ON-TAY.
Buist, W., Wormit (Joiner)
Betsworth & Barlow (Plumbers)
Jack, J. S. (R.P.)
Mackie, D. (Mason)
Tait, R.

NEWTON STEWART.
Finningham, A. B. (Joiner)
Gibson, P. (Joiner)
McDonald, A., & Son (Joiners)
McGaw, R.
McLelland, W. (Joiner)
McMaster, W.
Mercer, Y. (Plumber)
Sloan, J. (Plumber)
Stewart, J. (Plasterer)

NEWTYLE.
Gray, J., & Son (Masons)

NORTH BERWICK.
Allan, A., High St. (Painter)
Arundel T. Clifford Rd. (Plasterer)
Bee, R., St. Andrew's St. (Joiner)
Bell, J., Forth St. (Smith)
Black, J., High St. (Plasterer)
Coulter, J., Forth St. (Mason)
Denholm & Murray, High St. (Jnrs.)
Elliot, J., St. Margaret's Rd. (Mason)
Forrest, J. & F., Abbey Rd. (Joiners)
Glass, J., St. Margaret's Rd. (Msn.)
Greig, J. W., High St. (Painter)
Himsworth, T., High St. (Joiner)
Hutchison, A. C., Forth St. (Painter)
Kendall, J., High St. (Plumber)
Laing, W., High St. (Painter)
Lumsden, J., High St. (Slater)
Mann, A., & Sons, High St. (Plbrs.)
McKellar, J., Victoria Rd. (Plumber)
McLaren, A., High St. (Slaters)
Montgomery, D., Russell Sq. (Sltrs.)
Morton, R., High St. (Plumber)
Redpath, J., High St. (Mason)
Russell, J., Abbey Rd. (Plumber)
Stewart, J. & R., High St. (Joiners)
Walker, J., Market Place (Joiners)
Wilson, J., & Sons, High St.

NOVAR.
Tuach, W., & Co.

OBAN.
Anderson & Nisbet, Combie St. (Plbrs).
Connell, J., High St. (Masons)
Cowan, D., Nursery Rd. (Joiner)
Crawford, D., Airds Cres. (Plumber)
Gray, A. L. & Sons, Breadalbane St. (Painters)
Gray, D., Stevenson St. (Glazier)
Hunter, J., Rockville (Slater)
Jamieson, D., Airds Cres. (Slater)
Kilgour, G., Airds Cres. (Painter)
McArthur, A., George St. (Plumber)
McColl & Graham (Joiners, &c.)
McCullum, D., Combie St. (Plstr.)
McDougall, D. & J., Crescent Rd. (Masons and Joiners)
McDougall, H., Combie St. (Mason)
McDougall, J., William St. (Joiner)
McDougall, J. & A. (Joiners)
McLean, J., Airds Crest. (Joiner)
Menzies, W., Dunollie Rd. (Joiner)
Munn, D. & A., Breadalbane St. (Joiners)
Murdock, McD., (Plasterer)
Robertson, A., Stevenson St. (Pntr.)
Rowan, J., Connel (Joiner)
Stevenson, J., Firgrove (Mason)
Walker, H., John St. (Painter)

ORMISTON, S.O.
Gilchrist, J.
Robertson, J. (Joiner)

PAISLEY.
Barclay, J., Deanville, Greenlaw Rd. (Mason)
Bell, D., Glen St. (Brickbuilders)
Bett, D., 41 Welmeadow St. (Pntr.)
Black, J., 66 Back Sneddon (Joiner)
Bowie, Fisher & Co., 15 Gilmour St. (Painters)
Boyd, J., & Sons (Horticultural Builders and Heating Engineers)
Brown, D., & Son, Carlile Lane (Masons & Joiners)
Bryce, J., & Co., Lady Lane (Masons and Brickbuilders)
Cassells, J. & Sons, Christie Lane (Smiths)
Clark, J., & Co., 12 Wallneuk (Jnrs.)
Collins, J., & Son, 133 George St. (Plasterers)
Cowan & Stewart, Willmeadow (Ptrs.)
Craig, A., 27 Back Sneddon (Joiner)
Dunlop, J., 11 Incle St. (Joiner)
Fleming, J., North Bridge St. (Plbr.)
Forsyth, A., & Son, 46 Broomlands St. (Plumbers)
Gibson, W., Stoney Brae (Joiner)

Scotland—*continued.*

Gillespie, W., & Son, 82 New Sneddon St. (Slaters)
Girdwood, R., Broomlands St. (Joiner)
Glover, W., 42 New St. (Plumber)
Haran, N. G., & Sons, 100 Causeyside St. (Plumbers)
Henderson, G., 30 Gordon St. (Msn.)
Herd & Buchanan, 36 Old Sneddon (Plumbers)
Hill & Adam, 51 Storie St. (Joiners)
Houston, G. & T., 5 Maxwellton St. (Joiners)
Hunter & Goudie (R.P.), Causeyside
Hunter, J. K., Wellmeadow (Pntr.)
Hutchison & Co., High St. (Plstrs.)
Keenan & Kelso, Gilmour St. (Slater)
Kelly, M. & W., Causeyside (Plbrs)
Kilpatrick, J., & Son (R.P.), Dyers Wynd
Kirk, G. G., 6 Lawn St. (Glazier)
Knox, W., 29 Gordon's St. (Joiner)
Lang, M., & Sons, McGowan St. (Joiner)
McFadyen, A., 119 Neilston Rd. (Jr.)
McGhee, W., 27 Underwood (Mason)
McInnes, W., Clavering St. (Joiner)
McKay, D. A., Abbey St. (Joiner)
McNaughton, A., & Sons, New Smithhills (Joiners)
Maxwell, A., 24 Gordon's La. (Plstr.)
Morton, R., Weir St. (Brkbldr.)
Murdoch, T., 52 Causeyside (Slater)
Orr, J., George Place
Osborne, W., 23 Willmeadow (Pntr.)
Robertson, A., 9 Broomlands (Plbr.)
Robertson, G., & Co., Hawkhead Rd. (Brickbuilders)
Shaw, A., 51 High St. (Slater)
Spiers, W., 4 W. Buchanan St. (Plasterer)
Stevenson, W., McGowan St. (Jnr.)
Taylor, W. & Sons, Ry. Arches, Glasgow Rd. (Masons)
Urie, M., Laighpark
Wallace, C., New SmithHills (Slater)
Wallace, Connell & Co. (Plumbers)
Wilkie, J., & Sons, 39 High St. (Ptrs.)
Wilson, R., 20 Greenhill Rd. (Mason)

PEEBLES.

Clarke, D. (R.P.)
Dickson & Clyde (Masons)
Elliott, J. (Joiner)
Fairbairn, W. (Plumber & Slater)
Grandison, L. (Plasterer)
Grieve, J. (Plumber)
McCulloch, T. (Joiner)
Mitchell, D. & A. (Painters)
Murray, J. & D. (Carpenters, &c.)
Ramsay & Fleming (Masons)
Ramsay, W. (Joiner)
Renwick & Weir (Joiners)
Runciman, C. (R.P.)
Steele, A. (Painter)
Tod, W. (Mason)
Wilkie, G. (Mason)

PENPONT, near Thornhill.

Brown, T. (Mason)
Cook, R. (Mason)
Harkness, J. (Joiner, &c.)
McLachlan, W. (Slater)
Muirhead, A., & Son (Joiners)

PERTH.

Alexander, C., 4 St. John's Pl. (Glazier)
Anderson, D. S. & J., New Scott St. (Joiners)
Barker, G., New Row (Engr., &c.)
Beveridge, J. & D., New Row (Msns.)
Beveridge, D., York Place (Sculptor)
Boyd, F. M., 130 South St.
Brand, R., & Sons, 3 Ellbank St. (Masons)
Bruce, A. & D. (R.P.), 158 South St.
Buchan, J., & Son, 35 King St. (Sltrs.)
Campbell, D., Bridgend (Plasterer)
Campbell, P., 68 George St. (Bellbgr.)
Chalmers, J., Pitcairngreen (Slater)
Chrystal, G., Foundry La. (Ironfdr.)
Cramb & Staig, St. Andrew St. (Msns.)
Cree, F., 12 Kinnoull St. (Mason)
Crichton, D., Market St. (Joiner)
Davidson, A. & J. (R.P.), New Row
Douglas, A., & Son, Charlotte St. (Painters)
Douglas, G. R., & Son, 52 Princes St. (Painters and Glaziers)
Drysdale, A. (Slater)
Ewart, J. H., 33 New Row (Smith)
Fraser & Morton, Priory Place, New Town (Masons)
Fraser, J. (R.P.), 30 Watergate
Frew, & Co. (R.P.), Mill St.
Hay & Sims, 315 High St. (Joiners)
Hay, C., & Son, Rose Crescent (Msns)
Hill, R., Charteris St. (Joiner)
Hume, J., 53 South St. (Smith)
Jack, J., Meal Vennel (Joiner)
Johnson, D. & Son. St. Leonard's St. (Joiners)
Johnston, P., & Sons, 19 Cow Vennel (Joiners)
Johnston, W., 48 Victoria St. (Mason)
Kerrigan, M., Melville St. (Mason)
Leith, T., & Co., 54 Victoria St. (Jrs.)
McFarlane & Co., Paul St. (Ironfrs.)
McGregor, D., Kinnoull St. (Smith)
Mackay, H., 18 Main St. (Painter)
Mackay, J., & Son, Mill St. (Plastrs.)
McLaughlan, D., 58 Water Gate (Slater)
McLeish, Morrison, & Co., Ltd., 15 Mill St.
Maconochie, E., 209 South St. (Glazier)
McVicar, W., & Son, 14 York Place (Painters)
Miller, G. & A., 26 Gowrie St., Bridgend (Plumbers)
Muirhead, G., & Son, 18 Atholl St. (Painters)
Murray, J. & P., 6 South St. John's Place (Plumbers)
Paton, J., Ker (Bricklayer)
Paul, H., 20 Leonard St. (Painter)
Peebles, J., 32 York Place (Plasterer)
Roberston, J., 40 N. Methven St. (Plbr.)
Roberton, J., Jun., York Pl. (Plbr.)
Rutherford, W., 8 Main St. (Joiner)
Sharp, J., 59 Scott St. (Plasterer)
Sievwright, G., Spens Cres. (Joiner)
Stewart & Macfarlane, 23 Mill St. (Joiners)
Strang & McLagan, 18 Mill St. (Joiners)
Taylor, T., 74 Victoria St. (Slater)
Thomson, J., Princes St. (Sculptor)
Watson & Sons, Ld., Caledonian Rd. (Plumbers)
Welsh, J., & Co., 59 South St. (Plbrs.
Westwood, A., & Son, 21 Princes St. (Bellhangers)
Whylock, J. A., Dovecotland (Jnr.)
Whytock Bros., Upper Craigie (Masons, &c.)
Wilkie, A., 11 South St. (Plumber)

PITLOCHRY.

Butchart, A. R. (Slater)
Forbes, J. & D. (Joiners)
Frew, Messrs. (Plumbers)
Macbeth, J. (Plasterer)
McLaren, L. (Joiner)
Menzies, A. (R.P.)
Miller, A. & W. (Painters)
Robertson, C., Broomhill
Sim, W., Moulin (Joiner)
Stewart, Jamieson & Forbes
Thomson, R. (Joiner)
Veitch, J. (Plasterer)

PITTENWEEM.

Adamson, J., Charles St. (Joiner)
Brown, W., Charles St.
Lumsden, W., High St.

PLOCKTON, S.O.

Aitken, A., & Son (Carpenters)

POLMONT STATION.

Baird & Primrose (Msns. & Brklrs.)
Johnston, J. (Joiner)
Marshall, A., Brightons
Scott, W. & J. (Joiners)
Turner, W., & Son (Smiths)
Walker, W. (Joiner)

PORT APPIN.

Rowan, J. (Joiner)

PORT GLASGOW.

Buchanan, R., Chapel St. (Joiner)
Dunsmore, R., Mary St. (Joiner)
Fyfe, W., Newark St. (Joiner)
Gillespie, N. G., Mary St. (Joiner)
McBride, P., & Co., Bay St. (Masons)
Macfarlane, P. (Plumber)
Wilson, A., Scarlow St. (Mason)
Wilson, W., & Son (Plumbers)

PORTOBELLO.

Brown & Grieve
Dick, R. (Plasterer)
Hay, J., Duddingston Mills (Joiner)
Hume, W. (R.P.)
Maxton, W. (R.P.)
Meyer, J. (Plumber)
Riddle, A. (Slater)
Scott, R. & J. (Joiners, &c.)
Smith, J., & Son, 17 Bath St.

PORTREE.

Bain, J. (Painter)
Bell, J. (Plumber)
Mackenzie & Maclean (Carpenters)
Turnbull, T. (Plasterer)

PRESTON PANS.

Cooper, T.

PRESTWICK, S.O.

Fraser, W. (Painter)
Gibson, J. (Joiner)
Guthrie, W. (Mason)
McKean, A. (Mason)
McWhirter, J. (Joiner)

Scotland—*continued.*

QUEENSFERRY.

Cook, W.
Stenhouse, T. (Joiner)

REDDING, Polmont Station, S.O.

Abercrombie, D. (Joiner)
Brown, Lyon & Co. (Plumbers)
Cockburn, W. G. (Joiner)
Thomson, R. (Joiner)
Walker, W. (Joiner)

RENTON.

Conbrough, J. (R.P.), Main St.
McCall, G. (Brickbuilder)
Ritchie, P. (Joiner)

RHYNIE.

Anderson, P. (Carpenter)
Jamieson, J. (Carpenter)
Lindsay, J. (Mason)

ROGART, S.O.

McKewine, W., & Son (Carpenters)

ROTHESAY.

Blair, D., & Son (Joiners)
Bone, R., 18 Russell St. (Mason)
Brown, A., 19 Mill St. (Joiner)
Cruikshanks, J. (R.P.), 39A High St.
Cunningham, D., Bridge St. (Plumbr.)
Dodds, A., & Son, Tower St. (Joiner)
Duncan, J. Columnshill St. (Mason)
Duncan, M., Ladeside St. (Plasterer)
Holmes, J., 83 Montague St. (Joiner)
Hunter, W., Marionslea (Mason)
Hyndman, J. (Slater)
Jamieson, J. (Plasterer)
Lauder, W., Ladeside St. (Wright)
Leckie, W. M., Bridge St. (Slater)
Lyle, J., Townhead (Mason)
M'Bride, J., John St. (Joiner)
McColl, H., Argyle St. (Painter)
Macfie, D. H., 35 High St. (Painter)
Macnab, J., Princes St. W. (Gasfitr.)
McCallum, J., & Son, High St. (Jnrs.)
McCord, J., Barone Rd. (Mason)
McQuiston, J., John St. (Plasterer)
M'Tavish, R., Bridgend St. (Gasfitr.)
Miller, J., & Sons (Slaters)
Murray, D. C., Montague St. (Pntr.)
Paterson, R., 24 Argyle St. (Slater)
Peacock, A. R. (R.P.), 23 High St.
Smith, J., 5 Bishop St. (Joiner)
Stark, J. (Painter)
Stewart, W. & J. (Painters)

RUTHERGLEN.

Edmiston, A., Queen St. (Joiner)
Mitchell, W., 48 Chapel St. (Joiner)
Park, J., & Son (Masons)
Smith & Riddell (Masons)
Warnocks & Horsburgh (Masons)

ST. ANDREW'S.

Aitken & Hay, 114 Market St. (Joiners)
Auchterlonie, D., & Son, 9 Union St. (Plumbers)
Black, T., 33 South St. (Slater)
Carstairs, A., Melburn Place (Joiner)
Carstairs, A. & J., Melburn Place (Masons)
Craig, D., South St. (Joiner)
Crighton, J., Castle St. (Joiner)
Cunningham, A., Greenside Pl. (Jnr.)
Cunningham, W., Balone (Joiner)
Douglas, C., Church Sq. (Joiner)
Fairbairn, J., Market St. (Plumber)
Farquharson, J., 116 Market St. (Plbr.)
Greig, W., 9 Crail's Lane (Slater)
Harkness, T., Rose Lane (Joiner)
Law, H., 45 South St. (Joiner)
Liddell, T., 116 North St. (Mason)
Linder, L., Rathelpie (Bricklayer)
McKenzie, R., West Burn La. (Joiner)
McPherson, A., North St. (Plasterer)
McPherson, A., 43 Market St. (Plstr.)
Mason, D., Crail's Lane (Smith)
Morris, J. M. (R.P.), Market St.
Ness, W., 2 Murray Park (Mason)
Ogilvie, W., Rose Lane (Joiner)
Peebles, T., Market St. (Plumber)
Rintoul & Mackie, Market St. (Slaters)
Ritchie, J., Largo Rd. (Mason)
Scollay, T., Strathkinness (Mason)
Scott, A., 162 South St. (Plasterer)
Scott, R., Boarhills (Joiner)
Smith, T., 26 South St. (Plumber)
Spence, J. D., Melbourne Pl. (Mason)
Thom, A., Kinnes Park (Joiner)
Turpie, A. (R.P.), 57 South St.

SALTCOATS.

Caldwell, R.
Glen, T.
Miller, J., 39 Raise St.
Miller, T. & Co. (Joiners)
Young, J.

SANDAY, Orkney Islands.

Brown, D. (Mason)

SCALLOWAY.

Georgeson, M.
Russell, A. (Joiner)

SELKIRK.

Brodie, C., & Son, Chapel St. (Jnrs.)
Grieve, A., The Glebe
Inglis & Dickson, Forest Rd.
Linton, W., Buccleuch Rd.
Smith, G., Forest Ter. (Mason)
Smith, J., & Sons, Scott's Place

SHOTTS, S.O.

Brown, J., Calder St. (Slater, &c.)
Grimson & Co., Hillside (Masons)
Laing, Bros., Calder Head (Plmbrs.)
Muir, L., Dyke Head (Joiner)

SKELMORLIE.

Hunter, J., & Son (Joiners)
Lancaster, W., Craig View (Mason)
McInnes, D., Meadow Place (Plbrs.)
Oswald, W. W.

SPEAN BRIDGE, S.O., Fort William.

McKenzie, W. (Joiner)

STEPPS, Glasgow.

Calder, J. B. (Mason)

STENHOUSEMUIR, Larbert.

Forrester, W. & J. (Plumbers)

STEVENSTON.

Thomson, H.

STIRLING.

Aitken, J. & D., St. Ninians.
Anderson & Dewar, Bannockburn (Slaters)
Andersons, R., & Sons, 44 Murray Place (Masons, &c.)
Balfour, W., Craigs (Slater)
Barker, D., Forth St. (Stair Railer)
Blair, T., Port St. (Slater)
Brown, R., Friar St. (Painter)
Campbell & Co., Spittal St. (Plmbrs.)
Cargill & Thompson, 16 King St. (Painters)
Carson & Sons, Port St. (Painters)
Crichton, W. G., Port St. (Glazier)
Currie, J., Dumbarton Rd. (Joiner)
Dalgelly Bros., Park Lane (Joiners)
Davidson, A., Dalgleish Crt. (Smith)
Douglas, A., & Sons, Allan Park, (Painters)
Duff, J. & J., 16 Dumbarton Rd. (Plumbers)
Fairful, Wilson & Somers, Port St. (Joiners)
Ferguson, T., Dumbarton St. (Joiner)
Foster, R., Burghmuir (Plasterer)
Fotheringham, J. & M., Lower Bridge St. (Masons)
Frater, R. (R.P.), 73 Port St.
Gardner Bros., Ballengeich (Masons)
Gardner, J., St. Ninians (Joiner)
Gentles, J. & W., Bainton St. (Sltrs.)
Gourlay, W., Rosebury Place (Mason)
Hall, J., St. Ninians (Mason)
Hardie, D. C., The Craigs (Plumber)
Headridge, A., & Sons, Causewayhead (Masons)
Henderson, G., Viewfield St. (Pntr.)
Irvine, R. P., St. Ninians
Johnston, A., 29-31 Friars St. (Pntr.)
Lamb, J., 25 Port St. (Painter)
Lockhart & McNab, 38 Craigs (Bellhangers)
McAllister, W., Kersemill (Joiners)
McCallum, A., Spittal St. (Smith)
McDougall, W., & Son, 6 George St. (Joiners)
McGregor, D., & Co., George St. (Slaters)
Mackay, G., Bruce St. (Mason)
McLachlan, C., St. Mary's Wynd (Joiner)
McNab, T., 20 Friars St. (Joiner)
McPherson, T., Dumbarton Rd. (Glazier)
McPherson, W., Forth St. (Joiner)
Marshall, W. & T., Dumbarton Rd. (Smiths)
Merrilees, J. (R.P.), Friars St.
Miller, R., 62 Upper Craigs (Smith)
Miller, W., & Son, Park Lane (Smiths)
Milne, W., & Co., Upper Craigs (Sltrs.)
Oswald, A., 82 Spittal St. (Slater)
Reynolds, B., St. Ninians (Mason)
Ronald, J., James St. (Mason)
Sands, J., Raplock (Joiner)
Scott, J. (R.P.), St. Ninian's
Sinclair, D., Thistle St. (Joiner)
Smith, R., Barnton St. (Joiner)
Steel, J., 26 Murray Place (Plumber)
Thomson, T., Queen St. (Plumber)
Walls, A., Thistle St. (Plasterer)
Walls, J., Maxwell Place (Painter)
Wright, —., Maxwell Place (Plmbr.)

STORNAWAY.

Bain, A. & Co. (Plumber)
Beaton, R. (Plumber)
Crichton, W. (Carpenter)

Scotland—*continued.*

McKay & McDonald (Painters)
McKenzie & McLeod (Masons)
Macrae, J. & Son (Carpenters)
Ross & Mackenzie (Carpenters)

STRANRAER.

Clive, J., & Sons (Masons)
Durham, R., Dalrymple St. (Joiner)
Forsyth, J., Bellevilla Rd. (Slater)
Gibb, J., Edinburgh Rd. (Plasterer)
Irvine, A., Bridge St. (Sculptor)
Johnston, J., Stoney Kirk Rd. (Msn.)
McAlpin, E., Glebe St. (Mason)
McLauchlin, H., & Sons (R.P.), Charlotte St.
McLauchan, J., Dalrymple St. (Joiner)
McMillan, A., Agnew Cres. (Mason)
McPeak, H., Hanover St. (Plumber)
Mercer, T. (R.P.), 83 George St.
Purdie, D., London Rd. (Mason)
Sloss, A., & Son Dalrymple St. (Jnrs.)
Steven, J., Sun St. (Sculptor)
Torrance, J., 30 Loch Ryan Pl. (Plstr.)
Train, D., Queen St. (Plumber)

STRATHAVEN, S.O.

Baxter, J., Commercial Rd. (Joiner)
Steel, T. (Plasterer)

STRATHMIGLO.

Haggard, R.
Lister, D., & Son

STRATHPEFFER.

Harrow, D. (Mason)
Mackenzie, R., & Son
Macrae, D. (Carpenter)
Ross, D. (Carpenter)

STRATHTAY, S.O.

Duff, W. (Mason)

STROMNESS, Orkney Islands.

Baikie, S. J.
Guthrie, A. (Joiner)
Robertson, W. (Mason)

STRONE, S.O.

McElvie, T. (Mason)

STRONSAY, Orkney Islands.

Chalmers, J. M., & Son

SWINTON-BY-DUNS.

Gotterson, W. (Joiner)
Smeaton & Cook

TAIN.

Fraser, W., Geames St. (Mason)
Mackenzie, H., Station Rd. (Crptr.)
Macrae, W., & Sons (Plumbers)
Matheson, J. (Painter)
Munro, J., Cadboll Place (Plasterer)
Nicholl & Son (Carpenter)
Ross, W. (Mason)
Ross, D., Academy St. (Slater)
Urquhart, W. (Painter)
Urquhart & Mackay (Painters)

TARBET.

Carmichal Bros.

TAYPORT.

Dowie, W., Ogilvie St. (Joiner)
Kemp, W., Castle Terrace (Mason)
McRae, J., & Son (R.P.)
Pearson, J., Castle St. (Joiner)
Pillans, W. M. (R.P.), Castle St.
Robertson, D., Castle St. (Mason)
Welsh, W., Mill Place (Joiner)

THORNHILL.

Black, J. & A. (Mason)
Cook, J. (Mason)
Corsan, G. (Slater)
Drummond, P. (Plumber)
Glendinning, A. (Painter, &c.)
Kirkpatrick, R (Joiner)
McClane, W. (Joiner)
Waugh & Nish (Plasterers)

THORNLIEBANK.

Cameron & Dalglish

THURSO.

Bain, P., George St. (Mason)
Doull, D., Sir George's St. (Plmbr.)
Durran, G., & Son (Joiners)
Manson & Sutherland, Duncan St. (Joiner)
Mercer, J., High St. (Plumber)
Munro, D., Cowie Lane (Mason)
Munro, J., Duncan St. (Joiner)
Oag, H., Millbank Rd. (Plasterer)
Reid, J. & Son, Olrig St. (Slater)
Ryrie, D. Duncan St. (Plumber)

TIGHNABRUICH.

McKellar, J.

TILLICOULTRY.

Duncan, C. (Painter)
Keir, R. (Joiner)
Kirkland, W. (Joiner)
Miller Bros. (Masons, Slaters, &c.)
Morrison, R. (Plumber)
Perkins, C., High St. (Plumber)
Phillip, J. (Mason)

TINGWALL, Shetland Islands.

Irvine, J. (Mason)

TOBERMORY, S.O.

Fletcher, D.

TOLCROSS, Glasgow.

Hamilton, D., Carmyle

TRANENT.

Dickson, W. (Joiner)
Fairgrieve, A. (Slater & Plasterer)
Hood, J. (Slater & Plumber)
McWalter, T. (Joiner)
Wilson, A., & Sons (Masons)

TROON.

Flanagan, J. (Plumber)
Lambie & Moore
McSkimming, A., & Son (Plasterers)
Orr & McLean

Scotland—*continued.*

Templeton, J., & Co.
Walker, D. (R.P.)
Watson & Adams
Young, W.

TURRIFF.

Christie, P., & Son (Masons)
Clark, J., Balmellie St. (Plasterer)
Duthie, C. (R.P.) & Sons, Square
Davidson, D., Square (Painter)
Deckie, C., Belmellie St. (Plasterer)
Fowlie, W., Clifton Rd. (Carpenter)
Gammack, J., & Co., (Slaters)
Gilespie, J., Castle Hill (Slater)
Robb, J., Main St. (Mason)
Skene, W. H., Fife St. (Carpenter)
Tennon, W., Fife St. (Carpenter)
Watson, J. D., High St. (Painter)

TWYNHOLM, S.O.

Brown, J. & G. (Wrights)
Halliday, J., Jun.

UDDINGSTON.

Barr, W., Old Mill Rd.
Copland, J., & Sons
Mackie, W., & Son (Slaters)
Miller, W., Springwell Place
Walker, W., Main St.

ULLAPOOL, S.O.

Campbell, D. (Carpenter)
Mackenzie, R. (Carpenter)
Maclean, M., & Sons (Masons)

UPHALL, S.O.

Marshall, R.
Murray, D.
Nathaniel, C. E., & Son
Paterson, R.

WEISDALE, Shetland.

Hunter, J., Post Office
Robertson, R.

WEST CALDER, S.O.

Fairley, W., & Son (Joiners)
Lind, A. (Plasterer)
Robertson, R. (Plumber)
Wilson & Wallace

WEST KILBRIDE, S.O.

Borthwick, D. (Painter)
Craig, W. (Joiner)
Gemmill A., & Sons (Joiners)
Guy, R. (Painter)
Harper, W. (Mason)
Jack, R., & Sons (Masons)
McNaught, T. (R.P.)
McVean, J. (Slater and Plumber)
Stevenson, H. (Joiner)
Tyre & Donaldson (Masons)
Wilson, Q. (Mason)

WESTRAY, Kirkwall.

Logir, A.
Reid, C.
Reid, D., Broughton (Joiner)

WEST WATTON.

Sutherland, W.

WHITBURN, S.O.

Allan, H.

WHITHORN, S.O.

McKeand, W., Main St.

WICK.

Angus, J., Kirks Lane (Joiner)
Clyle, G., Moray St. (Joiner)
Dunbar, A., Victoria Place (Joiner)
Finlayson, A. & A., (Masons)
Grant, W., South Rd. (Plumber)
Gunn, J., Macrae St. (Slater)
Harper, D. H., Brown Place (Mason)
Hendry, D., Thurso Rd. (Carpenter)
Hood, J., & Son, Station Rd. (Sclprs.)
Johnston, W., & Son (Plumbers)
M'Adie, G., Macrae St. (Joiner)
McAllan & Richardson, (Painters)
McKain, J., Grant St. (Mason)
Mackay, A., West Cyth (Mason)
Millar, J. & W., (Joiners)
Munro, A., & Co., (Sculptors)
Munro, T., 4 Francis St. (Mason)
Reid, J., & Son, Thurso St. (Masons)
Shearer, R., Victoria Place (Joiner)
Sinclair, A., Northcote St. (Plasterer)
Sinclair, J., McRae St. (Joiner)
Sinclair, J. M., Lybster (Joiner)
Smith, J., Dempster St. (Plasterer)
Skinner, J., Huddart St. (Plumber)
Sutherland & Taylor, (Painters)
Tait, J., South Rd. (Mason)
Thomson, W. & J., (Painters)

WISHAW.

Black, W., Hill St. (Plasterer)
Brownlie, J., Stewarton St. (Plumber)
Bruce, McLean & McKerrow, 255 Main St. (Brickbuilders)
Clark, A., Kirk Rd. (Slater)
Cochrane, T., Kirk Rd. (Joiner)
Fraser, A., Kirk Rd. (Mason)
Fraser, J., Graham St. (Joiner)
George, T., Shand St. (Plasterer)
Graham, W., Miller St. (Joiner)
Hutcheson & Reid, Campbell (Brickbuilders)
Johnson, W., Craigneuk (Joiner)
Laing Bros., Kirk Rd. (Plumbers)
McCartney, D., Main St. (Slater)
McDonald, R., & Co., (Plumbers)
McEwen, J., Main St. (Plumbers)
Murdoch, A., & Co., (Brickbuilders)
Nimmo, D. & W., Main St. (Joiners)
Prentice, D., (Brickbuilder)
Smith, J., & Son, Graham St. (Masons)
Sorbie, J., Park St. (Brickbuilder)
Sorbie, W., & Son (Brickbuilders)
Steel, W. F. (Joiner)
Waterson, J., Hill St. (Plumber)

WOODSIDE.

Jamieson, G. Barrow St.

4. Wales.

ABER, Cardiff.
Jones, R., Trydwr Rd.
Williams, J., High St.

ABERAMAN, Aberdare.
Hopkins, H.
Wilkins, J. D., 7 Brook St.

ABERAVON.
Anderson & Vaughan, Albion Works
Davies, J., Saw Mills
Foley, F., Water St.
Groome, E. G., Pentyea, Baglan Rd
Rees, S. T., Water St.
Williams, H., Star Inn

ABERAYRON, S.O.
Davies, T., Compton House

ABERDARE.
Collier, D., 22 Lewis St.,
Davies, D., 73 Llewellyn St.
Davies, D. T., Llewellyn St.
Davies, E. J. & Son, Cwmamau
Edwards, H., 24 Aman St.
Jones, J., Gwawr Cottage, Wind St.
Morgan, J., & Son, 53 Monk St.
Price, W. F. & Ll., Pendarren St.
Rees, D., 46, Mill St.
Thomas, M., 43 Cardiff St.

ABERDOVEY, S.O.
Hughes, W. J.
Lewis, J.

ABERGELE, S.O.
Jones & Pritchard
Roberts, J.

ABERYSTWITH.
Bearn, L., Bridge St.
Edwards Bros., Trefechan
Evans, E., 15 Buarth St.
Jenkins, E. E., South Rd.
Jones & Lewis, New St.
Owen Bros., North Parade

AMLWCH, Anglesey.
Thomas, O. & Son, Salem St.

AMMANFORD, S.O.
David, B., Tirydail
Evans, W., Brynawel
Griffiths, T., Bettws
Jones Bros., Tirydail

BAGILLT, Holywell.
Jones, R.

BALA.
Jones, E., Castle St.
Jones, J. P., Castle St.
Roberts, E. T., Frydan Rd.
Roberts, M. F., High St.
Roberts, W., High St.

BANGOR.
Evans & Williams, Arvonia Bldgs.
Jones & Williams, High St.
Jones, J. M., 20A, High St.
Jones, W., 16 Mount St.
Parry, W., 23 Farrar Rd.
Roberts, R., Friar's Av.
Williams, R. & J., Upper Bangor

BARGOED, via Cardiff.
Edwards, D.
James, J., & Son
Williams, D.
Williams, T.

BARMOUTH.
Davies, D.
Edwards Bros.
Evans & Williams
Griffiths, T.
Jones, T.
Lloyd & Williams
Roberts, R.

BARRY, Cardiff.
Britton, W., Woodland Rd., Barry Dock
Gibby & Cleak, Barry Dock
Jones Bros., Court Rd.
Lloyd & Tape, Station St.
Martyn, S. J., 35, Oxford St.
Motton, G., Court Rd.
Prout, J., Trynewydd Rd.
Rendell, H. S., 77 Court Rd.
Rutter, G., Romilly Rd.

BEAUFORT, S.O.
Morgan, D.
Williams, R., Rassan

BEGELLY, S.O.
Davies, A.
James, B., Amooth
Water, G., Thomas Chapel

BETHESDA.
Roberts & Williams, Springford Wks.

BETTWS-Y-COED.
Jones & Sons, Penlan, Pentrevoelas
Jones, J. M., Tanybryn

BLAENAU FESTINIOG.
Arthur & Co., Cambrian Stores
Griffiths, E. & Son, Tanygrisian
Humphreys, E., Benar Rd.
Jones, D., Steam Saw Mills
Roberts, G., Benar View
Williams & Thomas, Wynne Rd.
Williams, R. & Son, 1 Cynfal Terr.

BLAENGARW.
Davies, D. J.

BORTH, S.O.
Williams, T. E., St. Alban's Terrace

BOWSTREET.
Hamer, D.

BRECON.
Griffiths, J., Mount St.
Jenkins, B., The Watton
Morgan, T. E., 14 The Watton
Williams, J., 25 Orchard St., Llanfaes
Williams, R., Usk Side, Kensington

BRIDGEND.
Francis, W., Coity Rd.
Gaylard, P., Station Rd.
Jenkins, C., & Son, Saw Mills
Jones, D. L., Rhiew Yard
Morgan, J. W., New Castle
Preece, E., Sen., Coychurch Rd.
Price & Morgan, Cemetery Rd.
Thomas, W., & Son, Nantymoel

BRITON FERRY.
Davies, W., Victoria Rd.
Friend, G., Regent's St., East
Gower, L., Caroline St.
Waters, T., Neath Rd.

BRYNAMMAN, S.O.
Evans & Roberts, Station Road
Howell, J. D.
Howell Bros.
Morris, J.

BRYNMAWR, S.O.
Eddy, R.
Evans, S., King St.
Evans, T., King St.
Jenkins, J., King St.
Jones, J., King St.
Jones, R., Bailey St.
Phillips, J., Orchard St.
Williams, T., Alma St.

BRYNNA, Pontyclun, S.O.
David & Rees

BUCKLEY (via Chester).
Davies, R. D., High St.
Williams, J., & Son

BUILTH WELLS.
Jones, J. M., Pendre
Jones, H. T., Garth Rd.
Lant, T., Dôe Garreg
Price, J., Castle St.

BURRY PORT.
Evans, H., Tabernacle Rd.
James, Reynolds & Co., West End
Lewis, J., Springfield
Williams & Maliphant, Pembrey
Williams, D., Williams Terrace
Williams, W. T., Newslade

BWLCH.
Williams, E.

CAERPHILLY, Cardiff.
Harding, M. V., St. Martin's Rd.
Howells, J., St. Martin's Rd.
Lewis, J., St. Martin's Rd.
Rossiter, T., Bryn Golen

CAERSWS.
Evans, J., The Green

CARDIFF.
Allan, J., & Sons, Woodville Rd., Cathays
Ashley, F., 28 Conway Rd.
Beames, G., 16 Violet Row, Roath
Beard, G., 164 Corporation Rd.
Blacker Bros., Clive Rd., Canton
Cadogan, W., Pearl St., Roath
Comley, J., Pen-y-lan Rd., Roath
Couzens, F., 59 Cowbridge Rd.
Couzens, G., & Sons, Oxford Lane, Castle Rd.
Cowley, J., Pen-y-lan Rd.
Cox & Bardo, 46 Elm St.
Davies, D., Trade St.
Davis, D. W., Morgan Chmbrs., St. Mary St.
Dinham, R., Spring Gdns. Pl., Roath
Dunn, C. C., 307 Cowbridge Rd.
Evans, E. R., & Bros., Cathays
Evans, J. E., 23 Inverness Place
Geen, W., Linden, Pen-y-lan
Gibbon, H., 185 Richmond Rd.
Gibson, J., 11 Old Quay St.
Gough Bros., 1A Wellfield Rd.
Griffiths, G., Working St.
Haines, R. E. J., 25 Lansdowne Rd., Canton
Hallett, G., 43 Partridge Rd.
Handford & Elsworthy, Alfred St.
Howell, A. J., 58 Pen-y-lan Rd.
Jenkins, B., Lochaber St., Roath Pk.
Knox & Wells, Bangor St., Roath
Lattey & Co., Ltd., Allensbank Wks.
Melhuish Bros., 38 Machen Place
Morgan, W. T., Fairoak Rd.
Price Bros., Pontcanna Rd., Canton
Raymond, D., 14 Taff Embankment
Rich, J., 79 De Burgh St., Canton
Robbins, F. G., 129 Diana St., Roath
Shepton, S., & Son, 15 Sandon St.
Symonds, W., & Co., 16 Rectory Rd., Canton
Thomas, D., & Son, 108 Richmond Rd.
Thomas, J., Mardy St.
Thomas, W., & Co., 21 Tresilian Ter., Penarth Rd.
Turner, E., & Sons, Penarth Rd.
Williams, W., Pearl St.

CARDIGAN.
Evans, J., Bryn Tivy
Jenkins, D., & Sons, Pendre
Williams, J., & Son, Llangoedmon

CARMARTHEN.
Davies, Rees, St. Catherine St.
Davies, W., 45 St. Catherine St.
Harries, D., Morley St.
John, Bros., Barnsfield Ter.
Jones, D., Union St.
Lewis, T., Barns Row
Morris, T., 7 Water St.

CARNARVON.
Jones, E., Dolyad near
Jones Bros., Bontnewydd near
Jones J., & Son, Pool Hill
Morris, O., Constantine Ter.
Parry, E., Balaclava Rd.
Roberts, R., New St.
Roberts, S. O., Pool Side.
Roberts, T.P. & Son, Twthill Cottage
Roberts, W., High St.
Williams & Roberts, Shirehall St.
Williams, W. D., Brynglas

CEMMAES, S.O., Mont.
Evans, E., & Son

CENARTH, Newcastle Emlyn.
Morgans, J.

CEWMCOY, Newcastle Emlyn.
Jones, O.
Lewis, T.

CLWTYBONT, Carnarvon.
Williams, W. H., Llandeiniolen

CLYDACH, S.O., Swansea.
Davies, L.
Hill & Jones
Williams, W.

COLWYN.
Evans, R., & Sons, "Mohrcroft"
Jones, W. P., Rhianfa, Old Colwyn

COLWYN BAY.
Berth-Jones, J., York Rd.
Bond, S., Belgrave Rd.
Davies & Jones, Hope Bank
Hughes, J. R., Defraid
Jones, J. S., Back Conway Rd.
Jones L., Sea View Crescent
Jones, T., Rhiw Rd.
Samuels, R., Sea View
Tucker & Sons, Rhiw Bank Avenue
Williams, R.

CONNAH'S QUAY.
Blane, E.
Reney, T. J.

CONWAY.
Hughes & Jones, The Wharf
Hughes, W., The Quay.

COWBRIDGE.
Hopkin, J.
James, W. S.

CRICCIETH.
Evans, D., 7 Railway Terrace
Evans, W. G., Marine Crescent
Humphrey, H., Elfion Place
Jones, E., Gaerwen House
Parry, O., Railway Hotel

CROSS HANDS, Llanelly.
Daniel, —, Munwaring, Glangwile

CWMAMAN, Aberdare.
Edwards, H.

CWMPARC, Treorchy, S.O.
Jones, E.

CWMTWICH, Upper, S.O.
Morgan, W. D.

CYNWIYD.
Willnow, T.

DENBIGH.
Davies, J. M., Love Lane
Ellis & Roberts, Panton Hall
Evans, D., Castle Hill
Wheeler, W., Love Lane

DOLE, Llanifhangel, S.O.
Jones, T.

DOLGELLY.
Edwards, R., Springfield St.
Jones & Smith, Springfield Lane
Owen, H., Old Brown Horse
Owen, W. & J., Felin Isa
Williams & Roberts, Avon Rd.
Williams, H., Arran Ter.

DOLWYDDELAN, S.O.
Davies & Williams

DYFFRYN, S.O.
Jones, R., & Co. (Masons)

DYSERTH, Rhyl.
Williams, E.

ERWOOD, S.O.
Morgan, D., Bridge House

ELY, Cardiff.
Rees, T., "Crinallt"

FELINFOEL, Llanelly.
Davies, D.
Davies, I.
Peregrine, D.

FERNDALE, Pontypridd.
Morris, M., North St.
Protheroe, J., Dyffryn St.

FISHGUARD.
George, F., High St.
Roberts, D., Sycamore Lodge

FLEUR-DE-LIS, Cardiff.
Yeo, W.

FLINT.
Lloyd, A. B., Halkyn St.
Lloyd, J., Corporation St.
Rogers, M. S., Halkyn St.
Williams, R., Chapel St.

GARNANT, S.O.
Howells, J.

GILFACH, Cardiff.
Harris, W., Bryngwyn

GLANAMMAN, S.O.
Williams, D.

GLYN GARTH, Menai Bridge, S.O.
Owen, D., Post Office

GOLDEN GROVE, S.O.
Lewis & Lewis, Dryslwyn

GORSEINON, S.O., Glam.
Thomas, J., Maesbach

GOWERTON, Glam.
Thomas, W. G.

GRESFORD, S.O., Wrexham.
Tilston, J.

GROESLON, S.O.
Jones, E., & Son, Plas-do-lydd

GWAUN-CAE-GURWEN, S.O.
Williams, J., Cwmgors

GWYS, Swansea Valley.
Williams, M.

HARLECH.
Evans, R.

HAVERFORDWEST.
Codd, C., Quay St.
Davies, T., & Son, Bridgend
Lewis, W. & Son, Crundale
Reynolds, W., Hill St.
Roberts, Wm., Dark St

Wales—*continued.*

Thomas, W., Hill St.
Williams, J., Trapp, Roch
Williams R., Merlins Bridge

HAWARDEN (Chester).
Bailey, W. & T.

HAY, S.O.
Evans, C. T., Broad St.
Powell, E., London House
Price, J., Red Lion St.
Webb, J., Blue Boar Inn

HOLYHEAD.
Owen, J., Leonard St.
Owen, R., Newry St.
Roberts, W., Bryn Seiriol
Williams, W., Kingsland Saw Mill
Williams, W., Valley

HOLYWELL.
Davies, E., Ffynnon-y-Cuff
Hughes & Son, Brynford St.

JOHNSTOWN, near Wrexham.
Jenkins & Jones

KNIGHTON.
Cadwallader, W., Victoria Rd.
Weale, W., Kinsley Rd.

LAKE VYRNWY (Oswestry).
Litster & Jones

LAMPETER.
Jones, J., Glyn Saw Mills
Jones, W., Bryn Rd.

LLANAFAN, near Aberystwyth.
Jones, D., & Sons, Rest

LLANBEDO.
Evans, H.

LLANBEDR, S.O.
Thomas & Parry
Williams, E., & Co., Tonywenallt

LLANBRYNMAIR, Mont.
Peate, G. H., Glanllyn

LLANDAFF.
Clarke, W.
Cox, M.
Cox, W., High St.
James, W. G.
Sbail, S., Llandaff Yard

LLANDDANIEL, Anglesea.
Parry, G.

LLANDEBIE, S.O.
Jones, D., Gorsgoch
Mainwaring, G., Gorslas

LLANDILO.
Davies, D., Brynawll, Tfairfach
Jones, J. & Sons, North Bank
Morrs, J., Penybank
Thomas Bros., Saw Mills
Thomas, W., Preswyfla

LLANDINAM.
Woolley, E.

LLANDRILLO.
Hughes, I. R., Bryn Defaid

LLANDRINDOD WELLS.
Bounds, S. A., Tremont Rd.
Davies, R. E. & Son, Park Ter.
Meredith, D., Temple St.

LLANDUDNO.
Conway, R., 110 Mostyn St.
Davies, D., Back Mostyn St.
Dewar, J., Back Madoc St.
Hughes E., & Son, Masonic St.
Hughes, H., John St.
Jones, T., Reform St.
Jones, T., Masonic St.
Owen, E., Back Madoc St.
Owen, T. & J., Abbey Rd.
Roberts, G. & Bro., Vaughan St.
Roberts, J., Chapel St.
Roberts, R. L., Builders St.
Thorp, E., & Sons, Lloyd St.
Williams, R., 14 Back Madoc St.
Williams, R. & W., Degawy St.

LLANDUDNO JUNCTION, Conway.
Parry, S., & Sons

LLANDYSSIL, Pontwelly.
Evans, J., Tussul Quarry
Lewis, C., Penllwyn, Horeb
Matthias, T., Pentrecourt

LLANDEBIE, S.O.
Michael Bros., Llwyngarw

LLANELLY.
Banks, J., Dafen
Bassett, W., 2 Coldstream St.
Brown, T. & J.
Davies, D., Zion Row
Evans, J., Ewr Joinery Works
Hopkins, D., Tunnel Rd.
Hopkins, W., & Son, Coldstream St.
Howell, B., & Son, Ltd., New Dock
Hughes, T., Richard St.
Jenkins, D., Union Buildings.
Jones & Richards, Pottery Rd.
Jones, J. I., Pembrey Rd
Jones, T. P., Llangathen Yard
Lewis, J., Woodend Rd.
Mercer, G., New Rd.
Smith, J., Seaside
Thomas, H., & Sons, Pottery Rd.

LLANFAIR, Pwll Gwyngyll, S.O., Anglesey.
Hughes, T., Eithinog
Pritchard, W. & O.
Thomas, T. P.

LLANFAIRFECHAN.
Davies, D., Upper Mill
Humphries, E., Gadlys
Jones, E., Benarth House
Owen, T. J., Llngwy Cottage
Williams, R., Glan-y-don
Williams, R. G.

LLANFECHELL, Rhosgoch, S.O.
Parry, J.

LLANGADOCK.
Price, D.

LLANGATTOCK.
Jones, T., & Sons

LLANGENEIRN, Kidwelly.
Richards, E., & Son

LLANGOLLEN.
Evans & Morris
Roberts, I., & Son
Roberts, M., 6 Borwyn St.
Roylands, —

LLANGORSE, Talgarth, S.O.
Williams, W.

LLANGRANOG, Llandyssil.
Davies, B.
Jones, B., Pantnewydd
Jones, T., Pontgarreg

LLANHILLITH, Crumblin, S.O.
Lewis, D.

LLANIDLOES.
Breeze, J., Hafren St.
Brown, E., & Son, Great Oak St.
Meredith, J. J., Hafren St.

LLANLLYFNI, Penygroes, S.O., Carnarvon.
Morris, H.
Pierce, J.
Williams, H.

LLANRHAIADR, Denbigh.
Wynne, J.

LLANRWST.
Hughes, H., Dolwar
Jones, J., Talybout
Wynne, J., 29 George St.

LLANSAMLET.
Jones, H., Birchgrove

LLANTRISANT.
Morgan, C., Talbot Rd.

LLANWIT MAJOR.
Davies, T.

LLANWNDA, Carnarvon.
Jones, D., Menai View
Jones, R., Twrog Mills

LLANWRDA, S.O.
Davies, D., Bryncrach, Pumpsaint

LLANWYDDN, see Lake Vyrnwy

LLANYBYTHER, S.O.
Davies, W., Lakefield
Evans, E., The Emporium
Evans, J.

LLWYNGWRIL, S.O.
Lloyd, J., Bronhyfryd

LOUGHOR.
Phillips, W., Cawsgarw
Thomas, D., Yew Bank Place

MACHYNLLETH.
Humphreys, J.
Rees, R., Maengwyn St. (Joiner)
Williams, J. O.

MAESTEG, Bridgend.
Evans, E.
Rees, J., 67 Castle St.

MAESYCRUGIAU, S.O.
Jones, T. & Son, Brynmaen

MAES-Y-CWMMER, Cardiff.
Raymond, D.

MENAI BRIDGE.
Evans, I., High St.
Parry, E., High St.

Wales—*continued.*

MERTHYR TYDFIL.
David, D., Picton St.
Hawkins, S., Penydarren
Jenkins, J., Canal Wharf
Jones, T., Walter St., Dowlais
Lloyd, R., High St., Cefn-Coed
Warlow, M., Warlow St.
Williams, J., 4 Castle St.

MILFORD HAVEN.
Adams, H., Dewsland St.
Cole & Sons, Robert St.
Cole, R. & Co., Priory St.
Phelps & Owens, Charles St.
Thomas, R., Great North Rd.

MOLD.
Edwards, R., High St.
Foulkes, T., 87 High St.
Roberts, J., 64 New St.
Roberts, T., Wrexham St.

MORFA NEVIN.
Jones, G., Penrhos

MONTGOMERY.
Jones, J., & Son, The Brades

MORRISTON, Swansea.
Thomas & Jones, Slate St.
Walters & Johns, Dillwyn St.

MOUNTAIN ASH.
Harris, D., Darran Rd.
Mills, F., Napiers Inn
Morris, T., Oxford St.

MUMBLES.
Beer, F. E., Parade
Morriston, J.

MYDRIM, St. Clears.
Evans, H.

NANTCLWYD, Ruthin.
Hughes, J.

NANTGLYN, near Denbigh.
Evans, I., Pen-y-waen

NARBERTH.
Cole, O., Mayfield
Edwards, A., St. James St.
Jones, D., Llawhaden
Lloyd & Bros., Spring Gardens
Perkins, W., Ludchurch
Rees, D., Templeton
Rees, J., & Sons, Lan Mill
Rees, J., Roseside
Thomas, H. V., Market St.
Williams, J., Robeston Wathen

NEATH.
Creighton, W. H., Lewis Rd.
David, O., Skewen, near
Goodridge, J., & Son, Windsor Yard
Gower, C., Skewen
Hatcher, H., Mount Pleasant
Herbert, Bros., Resolven
Howells, J., Rhyding
Lloyd, W., Lewis Rd.
Palmer, G., Bridge St.
Parker, T., Lewis Rd.
Rees, D., Arthur St.
Rees, J., 1 Geoffrey Ter., London Rd.
Rees, W. E., Windsor Rd.
Thomas & Jones, Riverside Yard
Thomas, E., & Sons, Seven Sisters
Waring, Cole & Waring, Charles St.

NEWBOROUGH, Anglesey.
Hughes, H.

NEWBRIDGE-ON-WYE.
Meredith, A., & Sons
Weale, D. T.
Wren, J.

NEWCASTLE EMLYN.
Davies, D., Aelybryn, Bronges
Jones, D., Graig Villa
Jones, D., Penralltwen
Thomas & Lewis

NEW QUAY, Llandyssil.
Rees, J. G.

NEWTON, Mumbles.
Lucas, T.

NEWTOWN.
Davies, E., & Son
Manuel, J., Parker's Lane
Morris & Sons, Back Lane
Phillips, E. C., Llanfair Rd.
Swain, J. W., Park Rd.

NEYLAND.
Harries, J., & Son
Rees, J., Rhosmarket

OYSTERMOUTH.
Davies, D., Newton

PANTYFFYNNON, S.O.
Thomas, D., Glanrhyd
Vaughan, J. & H.

PEMBROKE.
Davies & Morgan, The Green
Morgan, W. T., Orange Gardens
Phillips, R., Main St.
Powell, J., Monkton

PEMBROKE DOCK.
Brown, J. L., Water St.
Davies & Griffiths, King William St.
John, D., North Park St.
Scourfield, J., Nelson St., Pennar
Thomas, D., Lewis St.
Thomas, J. R., Queen St. East
Young, C., Smyther St. South

PENARTH.
Bevan, T., 10 Albert Rd.
Humphries, J., 1 Albert Rd.
Jones, J., 19 Station Rd.
Price, D. G., Hickman Rd.
Shepton, J. S., Station Rd.

PENCOED.
Davies, T., Brookland Villa
Griffiths, T. M., Old King's Head
Jones, D., Penprisk
Rees, E. & Sons

PENMAENMAWR.
Evans, E., Bodavon
Hughes, J., Grosvenor House

PENRHYNSIDE, Llandudno.
Williams, E.

PENTRE, S.O., Rhondda.
Morgan Bros., Ton
Parry, W., Ton
Richards, A., Bailey St.

PENYGROES, S.O.
Davies, L.
Pritchard Bros.
Roberts & Williams, Bod Gwilyn

PEN-Y-GRAIG, Dinas, S.O.
James, J., & Son

PONTARDOWE, Swansea.
Davies, H., Alltween
Griffiths, J.
Thomas, J., Alltween

PONTARDULAIS, S.O.
Gregory, W., Pentrebach

PONTLOTTYN, via Cardiff.
Davies, J. C.
Davies, R.
Samuel, S. G., Rock Rd.

PONTYBEREM, Llanelly.
Walters, D., Pelican

PONTYCLUN.
Cooksley, W. H., Miskin Village
Morgan, J.
Saunders, J., Miskin Village
United Steam Joinery Co., Ltd.

PONTYPRIDD.
Ash, C., Llanover Gardens
Davies, G., Canal Wharf
Davies, W., Henry St., Hopkinstown
Griffiths, D., & Sons, Gelliwastad Rd.
Jones, E., Morgan St.
Jones, J., Treforest Park
Jones, R., Llanover Rd.
Jones, T., Hafod
Julian, M., Taff St.
Lewis, D. R., Wood Rd.
Morris & Thomas, Rhondda R
Seaton, A., Gelliwastod
Seaton, G. E., Old Ford Rd.
Smith-Jones, E. B., Peurhiw
Taylor, T., Merthyr Rd.
Williams Bros., Ynysybwl
Williams & James, Coedpenmaen
Williams, M., Coedpenmaen

PORT MADOC.
Hughes & Price, Madoc St.
Humphreys, E.
Jones, W., Madoc St.
Lloyd, R., & Co., 117 High St.
Roberts, E., Chapel House
Roberts, G., Penmorfa
Williams, G., 68 New St.

PORT TALBOT.
Cox, M., Courtland Place
Davey, J., Tanygroes St.
Evans, T., & Son, 14 Yeus St.
Gaen, C. & F., Plough Ter.
Groom, E. G.
Hughes, T., Tailbach
Jenkins, M., Crown St.
Jenkins, W., Varna
Lake, J., Oakwood St.
Nicholas, J., Sawmills
Page, A. J. & Co., Crown St.
Williams, H., Mansel St.
Williams, T., Oakwood St.
Williams, W. P. & E., Beverley, St.

PORTH, S.O., Rhondda Valley.
Farr, R., Glyn St.
Jenkins, C., & Sons
Moore & Elworthy, The Parade
Rees, T., Coronation Terrace
Thomas & Morgan, Cross St.
Williams, J., Dinas Rd.
Williams, J., Cymmer Rd.

PRESTATYN, Rhyl.
Jones, E. D., Ivy House
Jones, T., High St.
Pritchard, J., Marine Villa

Wales—*continued.*

PRESTEIGN.
Price, J., Broad St.

PWLLHELI.
Jones, J. T., Abererch
Jones, J., Salem Ter.
Jones, W. & R.
Roberts & Williams, Abererch
Roberts, J. H.
Thomas, E., Eifionydd

RADNOR, New.
Linjen, J.

RHAYADER.
Doré, G., Saw Mills, East St.
Evans, T. P., Church St.
Lloyd, M., West St.
Morgan, W., East St.

RHEWL, Ruthin
Roberts, J., Tynycoed

RHOSTRYFAN, Carnarvon.
Jones, D., & Son, Penyffridd

RHYL.
Evans, P., 14 Princes St.
Griffiths, D., & Son, Windsor St.
Hughes, E., Grange Rd.
Pickersgill, W., Wellington Rd.
Pierce, T., 28 River St.
Torkington, A., Sussex St.
Whitley, T., King's Avenue
Williams, T., Sandringham Avenue
Williams, W. E., Elwy St.

RUABON.
Davies, J., Little St.
Hopley, R., King St., Cefn
Jones, J. T., Cefn
Williams, J., Trefynant

RUTHIN.
Daniel, J., Market St.
Roberts, W., Clwyd Bank
Williams, J. P., 62 Borthyn St.

ST. ASAPH.
Mumford, J. P., Denbigh Rd.
Powell, S., Denbigh Rd.
Williams, W. & T., Railway Station

ST. DAVID'S.
Edwards, D., Carfai
Phillips, G., 6 New St.
Williams, J., New St.
Williams, J., Bwlchcarte

SARNAU, S.O.
Jenkins, T., Rhipiwllwyd

SAUNDERSFOOT.
Lawrence, J., Main St.
Robbin, J., Main St.

SENGHENITH, Cardiff.
Williams, J. P.

SOLVA.
Evans, T., & Son
Morgan, L., Upper Solva

SWANSEA.
Bennett Bros., Carlton Ter.
Billings, H., Oystermouth Rd.
Davies, J., Humphrey St.
Jenkins, D., 89 Lower Oxford St.
Jones, J. & D., Eaton Grove
Lloyd Bros., Argyle St.
Marles J., & Sons, Richardson St
Richards, T., Northampton Lane
Thomas, Watkins & Co., Ltd.
Weaver, J. & F., Manselton

TALSARNAU, S.O.
Morris, W.

Wales—*continued.*

TALYBONT, Glandovey, S.O.
Davies, D., & Son

TALYBONT, TALYCAFN, S.O.
Williams, W., Carreg-y-ffordd

TANYGRISIAU, Blaenau Festiniog.
Griffiths, E.

TONDU, Aberkenfig, S.O.
Hurley, A., Velin Vach Joinery Wks.

TONYPANDY, Pontypridd.
Charles Bros., Henry St.
Old, T., 11 Zion Ter.

TOWYN.
Hughes, & Edwards
Morgan, R., & Son, Bryncrug
Rees, Jones, & Son

TREALAW, Dinas, S.O.
Charles, D.
Edwards, J., Tonyrefail
Rowland F., Cemetery Rd.
Spratt, W., Brookland

TREBANOG, Porth, S.O.
Enoch Bros.

TRECASTLE, Sennybridge, S.O.
Thomas, W.

TREFOREST, Pontypridd.
Lewis, E., Craig Alfa Farm

TREFRIW, S.O.
Evans, J., Warehouse
Owen, W., Guelder Rose House
Roberts, J., Tanybryn
Williams, E., Bryn Derwen

TREFNANT, S. O.
Morris, W. & J.

TREHERBERT, Pontypridd.
Davies, E., & Sons, Gwendoline St.
Evans, J. J., & Son, Dunraven St.

TREMADOC, Portmadoc.
Roberts, G., Penmorfa

TREORCHY, S.O., near Pontypridd.
Matthias & Edwards

VALLEY, Anglesey.
Williams, W.

WAUNLLWYA S.O.
Davis & Rowlands
Rogers & Williams

WELSHPOOL.
Davies, E., Salop Rd.
Thomas, R., & Sons, Berriew Rd.

WHITCHURCH, Cardiff.
Evans, W., Jun.
Williams, E., Ty-nant

WHITLAND, S.O.
James, A., Kiffig
Rees Bros., Saw Mills
Thomas, D., & Son, St. John St.

WREXHAM.
Davies Bros., 2-5 Hill St.
Jones, H. A., Salisbury Rd.
Jones, T., Smithfield Rd.
Lewis, Bros., Smithfield Rd.
Samuel, W. E., Market St.
Wooley, J. B., Ruabon Rd.

YNISHIR, Porth, S.O.
Richards, D.

YSCEIFIOG, Holywell.
Davies, E.

YSTALYFERA, Swansea.
Rees, D.
Williams, J. R.

YSTRA-RHONDDA.
Willis, W. E

5. Ireland.

AHASCRAGH, Co. Galway.
Black & Son
Cahill, M.

ANTRIM.
McManus, J.

ARDEE, Co. Louth.
Clarke, D.
Hargrave, T. & J. (Painters)

ARMAGH.
Cochrane, J. (Plumber)
Farr, T., Abbey St.
Gillespie, A., Dobbin St.
Johnston, J., The Mall
Kimmitt, E. G. (Painter)
Magill, J., Newry Rd.
Martin, D. P., & Co.
Maxwell, J., 31 Upper English St.
Whitsitt Bros. (Plumbers)

ATHENRY.
Brodrick, J., Church St.
Monaghan, T.

ATHLONE.
Concannon, J.
Duffy, M.
Lyster, P., & Son, King St.
Martin, J., Northgate St.
Smith, R., Strand St.

ATHY, Co. Kildare.
Carberry, D., & J.

BAGNALSTOWN.
Morrison Bros.

BAILIEBOROUGH, Kells.
Bartley, W.
Coote, T. R.

BALBRIGGAN, S.O.
Heeney, M., Dublin St.
Percival, W. G.

BALLINA.
Beckett, I.

BALLINAMALLARD.
Cowan, W. A.

BALLINASLOE.
Boland. M., Tulrush
Cahill, M., Abaseragh
Connell, M., Dunlo St.
Ward, L. B., Main St.
Ward, T., Dunlo St.

BALLINCOLLIG, Cork.
Forde, D., & Sons

BALLINROBE, S.O.
Stanners, T.

BALLISODARE.
Clarence, J.
MacDonagh, J.

BALLYBAY.
Irwin Bros.

BALLYBRACK.
Pemberton, B. B., Shanganagh Ter.
Pemberton, H., & Sons, Church Rd.

BALLYBROPHY.
Mackay, W., Donaghmore

BALLYCASTLE.
Boyle, J.
Humphreys, T.

BALLYGAWLEY, S.O.
Colbert, W. (Painter)
McLean, A.
Rea, D. (Plumber)

BALLYHACKAMORE.
Hewitt, R.

BALLYMAHON, Mullingar.
May, —

BALLYMENA.
Adams, D. (Plumber)
Black, J., Warden St.
Bortrick, W., Waveney Rd.
Carson, J., Larne St.
Clyde, A. (R.P.)
Gault, Bros., & Co., Ltd.
Heggarty & Gault
McCann, H., Broughshane St.
McCann, H. R., Suffolk St.
Moore, W. (Painter)
O'Hara, A., Kinhilt St.
Ross, M. (Painter)

BALLYMONEY.
Henry, J.
McConbrey, J. (Painter)
McMaster, A. Charlotte St.
Young, R.

BALLYNAHINCH, S.O.
Heron, S., & Son (Painters)
McDowell, J. (Painter)

BALLYSHANNON.
Monaghan, J., West Port

BALLYWALTER, S.O., Co. Down.
Caughy, F.

BALTINGLASS, S.O.
Doody, M.
Finn, J.

BANBRIDGE.
Doman, J., Bridge St. (Painter)
Finney, S., Library Lane
Haughey, T., Bridge St. (Plumber)
Larmour, T., Dromore St. (Painter)
McKeown, H. & J., Dromore St.

BANDON.
Murphy, D.

BANGOR, S.O., Co. Down.
Colville, J., Dufferin Building Works
Miller, S. (Painter)
Pullock, W., Ballymagee St.
Savage, J. H., Mount Herald Works
Scott, W., Bingham St.

BANTRY, Co. Cork.
Donovan, D.

BELFAST.
Campbell, W. J., & Son, Ravenhill Rd.
Corry, R., 106 University St.
Courtney & Co., Shaftesbury Avenue, Ormeau Rd.
Dowling, W., 106-112 Cromwell Rd.
Fegan, J., Shore Rd. Building Wks.
Henry, J., & Sons, Crumlin Rd.
Hogg, J., Joy St.
Keith, H., Glenravel St.
Kidd, J., 55 Duncairn St.
Laverty, H., & Sons, Ltd., Cambridge St.
Lees, J., 114 Gt. George's St.
Lester, J. W., Milewater Rd.
McCammond & Son, Duncairn St.
McDowell, Leatheni, & Fraser, Northbrook St.

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Smith, J., Garmoyle Ter., York Rd.
Smyth, J. E., 46 Brookvale St.
Stewart, J. & W., Ormeau Rd.
Thompson, J. & R., Short Strand

BELTURBET.
McLean, J., Kilconnig

BIRR (see Parsonstown).

BLACKROCK, Co. Cork.
Long, D., Convent Rd.

BLACKROCK, Co. Dublin.
Allen, J., Newton Park Avenue
Caulfield, P.
Harpur, W., Newton Park Avenue
Jolly, C., Newton Park Avenue
Lawlor, J., 22 Carysfort Avenue
Warren, E. W., 37 George's Avenue

BLESSINGTON, Co. Wicklow.
Bryne, M.

BOOTERSTOWN, Co. Dublin.
Caulfield, P., Booterstown Avenue

BORRISOLEIGH.
Maher, M.
Williams, T.

BOYLE.
Black, J.

BRANNOXTOWN, Co. Kildare.
Taylor, J.

BRAY, Co. Wicklow.
Brady & Sons, Eagle Ter.
Doyle, T. W., Novorra Avenue
Frazer, A., 1 Florence Rd.
Plunkett, J., Waverley Ter.

BROOKEBOBOUGH, S.O.
Bloomfield, J.,

BUNCRANA, Co. Donegal.
Campbell, H.

BUNDORAN, S.O.
Mundory, J. (Painter)
O'Kane, W. (Plumber)

CAHIR.
Holloway, T., Church St.

CAPPOQUIN.
Dempsey, J. J.
Lincoln, T.

CARLOW.
Mitchell, J. W.
Thompson, J., Hanover Works

CARRICKFERGUS.
Laverty, H.
Rodgers, A

CARRICKMACROSS.
Martin, J. (Painter)
McCullagh, B.
Mulholland, J.

CARRICK-ON-SHANNON.
Cryan, J.
Threlfoll, —

CASHEL.
Butler, J., Thomaston
O'Brien, P.
Thornton Bros.

CASTLEBAR.
Condon, J.
Lyons, M.

CASTLEBLAYNEY.
Browne, W. (Painter)
Harvey, J.
Watson, R.

CASTLECOMER, Co. Kilkenny.
Fogarty Bros.
Walker, J.

CASTLEREA.
Connolly Bros.

CASTLEWELLAN, Co. Down.
McAleenan, P.

CAVAN.
McGuirk, T., Kelley's Ter.
Ramsay, R., Main St.

CHARLEVILLE.
McAuliff, J., Shandown Cross, Newtown

CLONAKILTY, Co. Cork.
Hart, P.

CLONES.
McMahon, W., & Gray
McMahon, J.
Pallett, S. (Plumber)
Strathen, J. J. (Painter)

CLONMEL.
Boles, N., Mary St.
Cahill, J., Bolton St.
Cleary, T., & Son

COLERAINE.
Baxter, J. & D. (Painters)
Callaghan, W., Union St.
Christie, D., Diamond (Plumber)
Curry, W., New Row
Douglas, W., Lodge Rd.
Gould, W. & Co., Diamond
McMullan, H., Union St.
Neill, A., Union St.

COMBER, S.O.
Kerr, M. (Painter)

COOKSTOWN.
Espey, G., & Son (Plumbers)
Harvey, T. J.
M'Nally, J.
Mills, C. (Painter)

CORK.
Buckley, J., 12 Lancaster Quay
Delaney, J., & Co., 25 Henry St.
Dolan, F., Queenstown, Co. Cork
Duggan Bros., Phœnix St.
Fitzgerald, E., Geraldine Place
Galvin, M., Camden Place
Gaul, A., Copley St.
Hegarty, D., Merchant St
Hill, S., Anglesea Place
Hunt, M., Rockville
Kearns, J., Merchant St.
Kelleher, D., 14 Sunday's Well Rd.
Lane, D., Little Island, near Cork
McMullen, B., 34 Mary St.
McSweeny, E. B., & Co., Military Rd.
Mullany, C., Merchant St.
Murphy, P., 25 John St.
O'Callaghan, D., Gratton St.
O'Connell, W., & Co., Ltd., 19 Hanover St.
O'Flynn, E. & P., Watercourse Rd.
Scully, S., J., 6 Frenche's Quay
Sisk, J., 1 Cove St.
Thomas, S., 3 North Abbey St.

CREESLOUGH, Letterkenny.
Wilkinson, A.

CRUMLIN, S.O., Co. Antrim.
Wilson, N.

CUSHENDALL. S.O., Co. Antrim.
McAllister, D.

DALKEY.
Dixon, M., Carysfort Rd.

DONAGHADEE, S.O., Co. Down.
Curragh, W., New St.
Lloyd, T. A. (Painter)
Lynas, S. (Painter)
McConkey, J.

DONNYBROOK.
Tracy, P. J., 42 Main St.

DOWNPATRICK.
Gordon, J.
Hastings, S. & T.
Jordan, J., & Co., Church St.
Love, G.
Maguire, J., Irish St.
Stockdale, J. & T., Church St.

DROGHEDA.
Caffrey, P., James St.
Creaser, T. The Mall
Gogarty, F., 87 West St.
Henley, H. H., 83 West St.
Henly, S., & Sons, 7 Fair St.
McCann, P., Fair St.
McDonnell, B., Bull Ring
Smullen, T., & Son, Dyer St.

DROMAHAIR, S.O.
Duncan, W.
Taylor, R. J., Aughamelta

DROMARA, Ballynahinch, S.O.
Gamble, H.

DROMORE, S.O., Co. Down.
Graham, J.

DRUMSHAMBO, Leitrim.
McManus, P.

DUBLIN.
Barry, P., 9 Moncks Pl., Phibsboro'
Becket, J., South Dock Works, Rings-end Rd.
Beckett, W., Percy Place
Beckett, W. D., 2 Ormond Terrace, Rathmines
Bolger & Doyle, 41A Chamber St.
Bolton, S. H., & Sons, 156 Rathmines Rd.
Bogan, J., Kyle House, Drumcondra
Breen, S., & Son, 151 Up Sheriff St.
Clifton & Cooper, 26 Gardiner St.
Coates, C., 72 Blessington St.
Collen Bros., Ltd., East Road
Connolly, W., & Son, 37-39 Upper Dominick St.
Crampton, G. J., Balls Bridge
Crighton, W., Orwell Road, Rathgar
Dixon, G., 33 Hanover St. East
Donovan, J., 29 Lower Hatch St.
Dougan, J. (see Advt. on next page)
Doyle, W., 42 Portland Row

Ireland—*continued.*

JAS. DOUGAN, C.E.
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Surveyor & Valuer,
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Co. DUBLIN.

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Farquharson, R., 69 Jones' Rd.
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Foley & Sons, Old Kilmainham
Glynn, M, 12 North Brunswick St.
Good, J. & P., Ltd., 55 Gt. Brunswick St.
Goodfellow, J. S., 17 Wentworth Pl
Graham, F, 4 Lower Pembroke St.
Hall, H. E., 18 Harrington St.
Hall, T., & Son, 62A Harcourt St.
Hanway, P., 36A N. Gt. George's St
Holland, J., Brighton Av., Rathgar
Humphreys, Ltd., 97 Stephen's Green
Humphreys, R., 17 Lr. Pembroke St.
Keating, M., 62 St. Dominick St.
Kelly, J., & Son, 67 Thomas St.
Kiernan, J., 100 Talbot St.
Lidwill, R. F., & Co., 21 N. Great George's St.
Mackey, T., 48 Lower Camden St.
McClean, R., 64 Rathgar Avenue
McLaughlin & Harvey, 19 Dartmouth Rd., Leeson Park
Martin, H. & J., Ld., Grand Canal St
Meade, M., & Son, 152 to 162 Great Brunswick St.
Mellon, R. E., 62 & 63 Brighton Square, Rathgar
Millard, B., 16 Pleasants St.
Monks, H. J., Maguinness's Place
Navagh, J., 8 Ranelagh Rd.
Noble, A. W., Annesley Bridge
Pemberton, B., Serpentine Avenue, Balls Bridge
Pemberton, J., & Son, Charlemont St.
Pemberton, J., Ranelagh Rd.
Pile, J. P., 83-97 Gt. Brunswick St.
Roberts, W. & A., Ltd., 7 Grand Canal St.
Scott, G. W., & Co., 23 Lr. Abbey St.
Sharp & Emery, 17 Gt. Brunswick St.
Stewart, J. & W., 120 Great Brunswick St.
Thompson, J. & R., Philipsburg Av., Cloutarf
Toole, R., 139 Upper Dorset St.
Tully, J., 91 Rathgar Rd.
Warren, R., 121 Up. Rathmines
Whiteacre, G., Duke Row, Summer Hill
Whyte, B. W., 125 Summer Hill
Worthington, S., Claremont Rd., Sandymont

DUNDALK.
Bennett, N., Park St.
McAdorey, J., Seatown Place
McDonald, T., Castle Rd.
McGuinness, J., Bridge St.
Parks, S., & Son, Fair Green
Wynne, J., Jocelyn Place

DUNDRUM, S.O., Co. Dublin.
Hassey, P. J.

DUNGANNON.
Armstrong, G., Benburb
Boyd, W.
Davidson, J., Brantry
Langlands, J. & Sons (Plumbers)
McKee, J., & Son
Martin, P.
Nixon, A. (Painter)

DUNGARVAN.
Greany, P.
Stokes, G., & Sons

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Duny, J.

DUNLAVIN.
Roche Bros.

DUNMANWAY, S.O., Co. Cork
Jones, W. H.

DUNMURRY, S.O., Co. Antrim.
Mac Henry, D., Mosside

ENNIS.
Foody, P., Turnpike
Shank, D., Causeway

ENNISCORTHY.
Fortune, W., Lower Church St.
Goldie, W. (Plumber)
Kinsella, J., George St.

ENNISKILLEN.
Donelly, J., Forthill St.
Harvey, J., 17 Belmore St.
Hynes, J. & Sons, Forthill St.
Lemon, J., & Son (Plumbers)
Reid, J., Belmore St.

ENNISTYMON.
Crawford, M.
Linnane, M.

FERMOY.
Creedon, D., Rathealy Rd.
Hayes, D.
O'Mahoney, T.

FERNS.
Bernie, P., Milltown

FIVEMILETOWN, S.O.
Adams, T.
Coulter, J., & Son

GALWAY.
Carr & Sons, Cross St.
Costello, J., Sea Rd.
Dooley, F., 1 Eyre St.
Emerson, J., Devon Place
Flaherty, W., Market St.
Griffin, T., & Sons, Henry St. W.
Lydon Bros., White Hall
McDonnell, A., Cross St.
McWilliams, T., Clifden
O'Flaherty, M., College Rd.
Semple, A., Wood Quay
Stewart, J., Sea Rd.

GARVAGH, S.O.
Cox, R.

GLENAVY, S.O.
Irvine, T. (Painter)

GLIN, Co. Limerick.
O'Driscoll, J.

GORT, S.O.
Kilroy, W.

GRANARD, Co. Longford.
Dolan, J.
Keirnan, T.

GRANGEGEETH, Slane, S.O.
Wadden, L.

GREYSTONES, Co. Wicklow.
Kinlen Bros., Montrose

HOLYWOOD.
Dunwoody, T. (Painter)
Ferris, R., 30 High St.
Miller, W., High St.
M'Keay, S. & R. (Painters)
Nimick, W., 31 High St.

KELLS, Co. Meath.
Doyle J. G., Church Lane
O'Brien, P., John St.

KILDARE.
Carbery, D. & G., Dublin St.
Molloy, J., Semcroft

KILKEEL, S.O., Co. Down.
Hamilton Bros.
Kenmuir, E.

KILKENNY.
Clere, W. K., & Son, 8 Ormonde Rd.
Lalor, S., Walkin St.

KILLARNEY.
Casey, M., College St.
Fleming, J. J., New St.
Galvin, N., New St.
Phillips, J., Castlerosse Cottages

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Bower, G., Tower Hill
Nolan, N.
Pemberton, H., & Sons

KILLUCAN, Co. Westmeath.
Reilly, T., Simonstown

KILLYLEIGH, Crossgar, S.O.
M'Knight, —, (Plumber)

KILRUSH.
Morrissy, W., Henry St.
Ronan, J.

KINGSTOWN.
Harper, W. H., 23 Tivoli Ter. N.
Ring, J., & Sons, 91 Lr. George's St.
Wealer, F., Glasthule

KIRCUBBIN, S.O.
M'Kee, J.
Gaw, W. (Painter)

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Ferris, J. (Plumber)
M'Aulay, J. (Plumber)
McNeil, W., & Sons, Main St.
Myers, J. (Painter)

LIMAVADY.
Hull, R.
Thorpe & McCracken
Wray, J.

LIMERICK.
Coghlan, J., Catherine St.
Gough, M., Colooney St.
Hayes, J., Newenham St.
Kennedy, P., 3 Military Rd.
Kenny & Sons, 25 Richmond St.
O'Sullivan, D., 25 Frederick St.
Ryan, J., & Son, 34 Thomas St.

LISBURN.
Henry, J.
Knox, R., Railway St.
Quin, J. (Plumber)
Robb, R. (Painter)
Scott, J. (Plumber)

LISMORE.
Fitzgerald, H. E., The Mall
O'Brien, J., Church St.

LISTOWEL.
MacMahon, I., Church St.
MacMahon, W., Market St.

LONDONDERRY.
Ballintine, J., Ltd., Strand Rd.
Cabena, W. J., London St.
Colhoun, R., 22 Strand Rd.
Cooke, W., Bishop St.
Doherty, D., & Son, Spencer Rd.
Dunlop, A., Sackville St.
Fulton, J. A., Fountain St.
Gallagher, J., & Son, Strand Rd.
Hughes, E., Farney Terrace
Laverty, H., & Sons, Clooney Ter.
Maultsaid, J. E., Waterloo Place
Shannon & Routledge, Fountain St.
Smyth Bros., Duke St., Waterside
Sweeney, M., Strand Rd.

LONGFORD.
Cootes, W., Battery Rd.
Kelly, P., Earl St.

LOUGHDUFF.
Lynch, B., Drumbanew

LOUGHREA.
Sweeney, P.

LUISBURG, Westport.
Henaghan, W.

LUCAN, S.O., Co. Dublin.
Cromer, J.

LURGAN.
Long, J. (Plumber)
Maguire, W. (Painter)
McIlwaine, S.

MAGERAFELT.
Donnelly, R. (Painter)
Bradley, J. (Painter)

MANORHAMILTON, S.O.
Sweeney, R.
Wilson, P.

MARKETHILL.
McChese, S. (Plumber)

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Carroll, W.
Bunyan, J.

MIDDLETON, Co. Cork.
Coffey, J. J.

MILFORD, Co. Donegal.
Mooney, W.

MILLTOWN, Tuam.
Patterson, J.

MONAGHAN.
Benson, S. (Plumber)
Drum & Son
Duffy, F.
Nolan, P., Mill St.

MONEYMORE, S.O.
Agnew, A. (Painter)
Greer, J. (Painter)
Rodgers, J.

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MULAHIDE.
Reid, J.

MULLINGAR.
Willis Bros.

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Eacret, J., Sallins Rd.
Hyland, J., Friary Rd.

NAVAN.
Currey, W., Academy St.
Delaney, N., Bridge St.
Maguire, J., Trimgate St.

NENAGH.
Burke, J.
Dooley, T.

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Sheridan, P., Eyre St.

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Haugh, W.
M'Carten, J.
Neil, J. F.

NEW ROSS, Co. Wexford.
Cullen, A.

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Mahood, D., Monaghan St.
Neary, D., Catherine St.
Thompson, J., Hill St. (Painter)
Wheelan, A., Canal St.

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Breman, S.

NEWTOWN HAMILTON, S.O.
Watson, T. (Plumber)

NEWTOWNARDS.
Browne, R., & Co., Shore Rd.
Burrows, H., North St.
Dawson, R., Castle St.
Hanna, J., & Co., South St.
Paisley, T., & Sons, South St.

OMAGH.
Allison, W., Hillybrack
Hill, J. (Painter)
McCaul, J., John St.
McCrony, C., Abbey St.
Robinson, J., Campsie Av.
Smith, J. (Painter)

OVENS, Cork.
Buckley, T., Knockleburden

PALATINE.
Weir, I.

PARSONSTOWN (on Birr).
Sheridan, P.
Sweeney, W. A.

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Collen Bros., Ltd.
Collen, T.
Cullen, R.
M'Cullagh, —, (Painter)
Magee, J. (Painter)
Stewart, T. R. (Painter)

PORTAFERRY, S.O.
M'Alpine, R. H. (Painter)

PORTUMRA, Co. Galway.
Martin, M. J.

PORTRUSH.
Graham, A., Lansdowne Terrace
Maxwell, A., Bath St.

PORTSTEWART.
McIlreavey, D., Main St.
Read, D., Hill Head

RANDALSTOWN.
McManus & Sons

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Hayes, A.
Hayes, R.

RATHFRILAND, Newry.
Bruce, W. (Plumber)
Dalzell, D.
Lawson, R. (Plumber)
Watson, R. (Painter)

RATHVILLY, S.O.
Doyle, T.

RHODE, Edenderry, S.O.
Quinn, T.

RIVERSTOWN, Co. Sligo.
O'Gara, T.

ROCHFORT BRIDGE, Killucan.
Boyham, M.
Reilly, T.

ROSCOMMON.
Waldron, B.
Watt, T. (R.P.)

ROSCREA.
Maher, Denis

SKERRIES, S.O., Co. Dublin.
Flanagan, W. H., New St.

SLIGO.
Clarence, J., Ballysodare
Conolly, C., Church St.
Hughes, J., Temple St.
Kerr, G., & Son, William St.
McLynn, Denis, Stephen St.
McGuire, P., 5 Ratcliffe St.
Meldrum, J., & Sons, Castle St.
Scanlon, J., High St.

SNEEM, Co. Kerry.
Breen, M.
Foley, D.

STEWARTSTOWN, S.O.
Creaney, T. (Painter)
Henderson, R.

STRABANE.
McCaffrey, D., Lifford St.
McClay, J., Bridge End

STROKESTOWN, Longford.
Brennan, P.
Whelan, —.

Ireland—*continued.*

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Mulligan, J., & Sons

TANDRAGEE, S.O., Co. Armagh.
Collen, T., Bloomhill

TARBERT, Co. Kerry.
Holly, P.
O'Sullivan, T.

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Cussen, M.
Ormond, J.

TEMPLEPATRICK, S.O.
Millar, A. (Painter)

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Kennedy, P.
Leahy, W.

TINAHELY.
Boulger, E.

TIPPERARY.
Fleming, J., St. Michael St.

TRALEE.
Kennedy Bros., Stoughton's Row
Murphy, P., Terrace
O'Brien, T. M., Bridge St.
O'Reilly, J., & Sons, 128 Rack St.

TRIM, S.O., Co. Meath.
Dingevon, C.

TUAM, Co. Galway.
Egan, T.

TULLAMORE.
Clear Bros.

TULLOW, Co. Carlow.
Smith, R. S., Barrack St.

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WARRENPOINT.
Grandy, J.
Mahood, S. (Painter
Wilson, J., Post Office St.

WATERFORD.
Costen, P., 87 The Manor
Hearne, J., & Son
Nolan, G., Johnstown

WATERVILLE, Co. Kerry.
Galvin, T.

WESTPORT.
Kennedy, P.
Richardson, T.

WEXFORD.
Brien & Keating, Main St. (Plmbrs.)
Doyle, D., & Sons, The Quay (Plbrs.)
Doyle, J., Charlotte St.
O'Connor, Mrs., Main St.
Scallan, J., Waterloo Rd.
Sinnott, J., & Sons (Plumbers)
Thompson Bros., The Quay

WHITEHEAD, Co. Antrim.
Barbour, D.

WICKLOW.
Clarke, W., Church St.
Flynn, J., Summer Hill Quay
Pim, S. E., South

YOUGHAL.
MacSweeney, T.
Murray & Sons

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Addie, W. F.	Estate Timber Yard, Powis Castle, Welshpool	Powis Castle
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Aitkin, G. H.	Estate Office, Portway, Warminster	Longleat
Akroyd, J.	Holywell Green, near Halifax	Brooklands
Allison, T.	Inverlochy Estate Office, Fort William, N.B.	Inverlochy, etc.
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Anderson, R.	7 Park St., Cirencester	Earl Bathurst
Angas, R. L.	Estates Office, Blenheim Palace, Woodstock	Blenheim
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Barr, D. C.	Estate Office, Hamilton, N.B.	Hamilton
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Birch, Major R. F.	Mais Elwyn, St. Asaph, Wales	Llanerch, etc.
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Blake, H. L. T.	Fairfield, near Bridgwater	Sir A. Acland Hood, Bt., etc.
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Boa, A.	The Hall, Great Thurlow, Suffolk	Great Thurlow Hall
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Boothby, H. V.	Hare Hill, Sudbury, Derby (Sudbury Station)	Keele
Bostock, G. H.	The Estate Office, Iwerne Minster, Blandford (Shillingstone Station)	Lord Wolverton
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Boyd, D.	Mayfield Estate Office, Ilford (Goodmayes Station)	Corbett, etc.
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Broughton, J. W.	Estate Office, Gargrave, via Leeds	Bierley Hall, etc.
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Brown, C.	Kerse, Falkirk, N.B.	Kerse, etc.
Brown, W. T.	Old Brewery, Rotherham	Bentley's
Browning, W.	Estate Office, Ranstone, Blandford	Sir R. Baker
Bruce, A. D.	Estate Office, Elvetham Park, Winchfield, Hants.	Elvetham Park
Bryant, C. A.	Christ's Hospital, Horsham	Christ's Hospital
Brydon, R.	Londonderry Estates Office, Seaham Harbour, Co. Durham	Londonderry
Buck, A., & Son	Land Agents, Worcester	Ham Court, etc.
Budge, J.	Estate Office, Wemyss, N.B.	Wemyss
Burd & Evans	School Chmbrs., Shrewsbury	Benvick
Burke, U. R.	Normanby Estate Office, Burton-on-Stather, Doncaster	Normanby
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Butler, Capt., R. P.	Bute Estate Office, Rothsay,	Bute
Butter, C. A. J.	Faskally Estate Office, Pitlochry, N.B.	Faskally
Calcott-Stokes, W.	Latimer Estate Office, Chesham (Chalfont Station)	Bucks & Hunts (Lord Chesham)
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Carr, C. E.	Carr-Ellison Estate Office, 1 Collingwood Street, Newcastle-on-Tyne	Hebburn
Carr, R.	Estate Office, Tring Park, Herts (Tring Station)	Tring Park
Carter, Col. J. Colebrooke	Estate Office, Ardington, Wantage, Berks.	Lady Wantage
Castle, W. H.	Town Hall, Oxford	City of Oxford
Cave, H. H.	Estate Office, Rugby	Newnham Paddox, Acton Burnell, etc.
Chamier, E. F.	Manchester House, Exmouth	Rolle, etc.
Charlton, St. John	Cholmondeley Estate Office, Malpas	Cholmondeley
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Chichester, P. C.	Estate Office, Exton, Oakham	Earl of Gainsborough
Cholmondeley, H.	Estate Office, Sledmere, Yorks.	Sir Tatton Sykes, Bart.
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Clark, J.	Netherhall Estate Office, Maryport	Netherhall
Clark, J. W.	Westgate, Guisborough	Guisborough
Clarke, C.	Charlcot, near Bedale, Yorks.	Sir M. Dodsworth, etc.
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Collins, T.	Orchardmains, Tonbridge	Fairhill
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Colvile, S. T.	Gnoll Estate Office, Neath	Gnoll
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Cooper, W.	Marston Bigott, Frome	Earl of Cork and Orrery
Cottingham, F.	Newtown Estate Office, Dovercourt	The Trustees of the late R. J. Bagshaw, Esq.
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Coverdale, H.	Rodney St., Wigan	Westwood
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Cranswick, H.	Thorneycroft, Bridlington, Yorks.	Mitford
Crawford, R. T.	Ballinrobe, S.O., Co. Mayo	Col. Knox
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Croft, G.	Nostell, via Wakefield	Appleby
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Cruickshank, A.	Estate Office, Shotover, Wheatley, Oxon	Col. J. Miller
Cruikshank, A.	Estate Office, North Berwick	North Berwick
Cundy, J. W.	Estate Office, Linby, Notts.	Montague, etc.
Cunningham, D. J. P.	Gordon-Richmond Estates Office, Fochabers, N.B.	Gordon-Richmond
Cuthbert, T. W. J.P.	Achindunie, Alness, Ross-shire (Alness Station)	Ardross
Davenport, C.	Alberbury, Salop	Loton Park
Davies, D.	Wentsland Estate Offices, Pontypool	Wentsland, etc.
Davies, J. M.	Froodvale, Llanwrda, South Wales	Bronwydd, etc.
Davis, C. E. B.	Wroxton, near Banbury	Banbury
Day, G. C.	Estate Office, Woodbridge, Shaftesbury	The Gaunts, etc.
Deane, J. H., & Son	Norton-in-the-Moors, Stoke-on Trent	Lord Norton
Deane, W. W.	Scarisbrick Estate Offices, Southport	Scarisbrick
Dees, J. G.	Estate Office, Whitehaven Castle, Cumb.	Whitehaven Castle
Denton, J.	Horton Villa, Bradford	Sir F. S. Powell, Bart.
Dickins, R. J.	155 Old Kent Road, London, S.E.	Rolls
Diggle, J. & Son	Hind Hill St., Heywood, Lancs.	Foxdenton, etc.
Dishington, G.	Douglas Support, Coatbridge, N.B.	Douglas Support
Dixon & Mitchell	Devonshire Buildings, Carlisle	Brackenhill, Scaleby, Dundar, etc.
Dixon & Co.	Railway Approach, Sutton, Surrey	Wandsworth Poor Trust

Donaldson, H., & Sons	252 Queen's Road, Dalston, N.E.	Rhodes
Done, Hunter & Co.	Cricklewood, N.W.	Quex Park, etc.
Donkin, F. W.	Estate Office, St. George's Hill, Weybridge	St. George's Hill
Douglas, F. M.	Port Ballintrae, Bushmills, Co. Antrim.	Sir F. E. W. Macnaughton
Douglass, A. F.	Estate Office, Hutton Buscel, West Ayton, S.O., Yorks. (Wykeham Station)	Viscount Downe
Downs, A.	Estate Office, Bolton Abbey, Skipton	Duke of Devonshire
Drake, G. P.	Tyrwitt Estate Office, Scawby, Lincs.	Tyrwitt
Drew, J.	Doon Hill, Newton Stewart, N.B.	Earl of Galloway
Drew, J. & H.	15 Queen St., Exeter	Holcombe Court, etc.
Duncalfe, H. G.	81 Darlington St., Wolverhampton	Chillington Wrottesley, etc.
Easton, J.	Estate Office, Blyth	Viscount Ridley
Eden, Eden & Baines	Estate Office, Hinton St. Mary Dorset (Sturminster Newton Station)	Rivers
Eden, R. H. H.	Heytesbury, Wilts.	Lord Heytesbury
Edwards, A.	Bygrave, Baldock, Herts.	Marquis of Salisbury
Edwards, E.	Vine Cottage, Ham Common, Surrey	Ham
Egerton - Warburton, G.	Estate Office, Sandicroft, near Northwich	Arley
Elliott, A. E.	Newcastle Estate Offices, Worksop, Notts.	Newcastle
Ellis, E. S.	Estate Office, Lathom House, Ormskirk.	Lathom.
Everett, D.	Estate Offices, Broadlands, Romsey	Rt. Hon. E. Ashley
Every-Clayton, A.	Blackmore Park Estate Office, Hanley Swan, Worcester	Blackmore Park
Fair, T., & Son	Estate Office, Lytham, Lancs.	Clifton
Fardell, J.	Market St., Ryde, Isle of Wight	Nunwell
Farrer, J.	Oulton, near Leeds	Templenewsam
Feilding, J. B.	Estate Office, Downing, Holywell, N. Wales (Holywell Stn.)	Earl of Denbigh
Fidler, F. C.	Estate Office, Yattendon, Newbury	Yattendon
Fife, H. L.	Estate Offices, Stainchop, Darlington	Raly
Fisher and Nightingale	145 Lichfield St., Walsall	Lord Lichfield.
Fleming, W.	Tudhoe Spennymoor, Co. Durham	Salvin
Fletcher, T.	46 Fishergate, Preston	Dunkenhalgh, etc.
Forbes, J.	Atholl Estate Office, Old Blair, Blair Atholl, N.B.	Duke of Atholl
Forbes, R.	Estate Office, Kennet, Alloa, N.B.	Kennet
Ford, A.	Gawthorpe Estate Office, Burnley (Padiham Station)	Lord Shuttleworth
Forest, R.	St. Fagan's, Westgate St., Cardiff	Wenvoe, etc.
Forge, R. W., F.A.I.	Cromwell Lodge, Grosvenor Road, Twickenham	Cole Park
Fowler, G.	Kells, Co. Meath	Marquis of Headfort
Francis, J. & Son	Myrtle Hill, Carmarthen	Ffynone
Frantt, M. H.	Westfield, Mountrath, Ireland	Ballyfinn, etc.
Fraser, A.	63 Church St., Inverness	Culloden
Fraser, A.	Solicitor, Dunfermline	Blau Castle, etc.
Fraser, Major T. W.	Southesk Estate Office, Brechin	Southesk
French, S.	Cresskinny, Queenstown, Ireland	Capt. Longfield
Frith, W. E.	Moreton House, Preesgwyn, nr. Chirk, Salop	Mrs. Barnes
Fuller, J. S.	Estate Office, Sibton Road, Lyminge, Kent.	Sibton Park.
Fulton, A.	Estate Office, Sedgwick, Kendal	Sedgwick, etc.
Gale, H.	Estate Office, Nuneham, nr. Oxford (Culham Station)	A. Harcourt, Esq.
Gandy, E.	Winnington Hill, Northwich	Darnhall, etc.
Gardner, J. P.	Estate Office, Cannock, Staffs.	Marquis of Anglesey
Garfit, C. T.	Estates Office, Delamere House, Northwich	Delamere
Garland, W. G.	Creek House, East Molesey	Hotham
Garrett, C. T.	Newtown, Linford, Leicester (Glenfield Station)	Countess of Stamford
Garrod, H. J.	Cheveley, Cambs.	Cheveley Park
Garvie, J.	Estate Offices, Gourock, N.B.	Gourock
George, A. W.	Estate Offices, Sedbury, Chepstow	Sedbury, etc.
German, J., & Son	Market St., Ashby-de-la-Zouch	Earl Ferres, etc.
Gibbs, F.	Smeeds Estate Office, Sittingbourne	Smeeds
Gibson, W.	Estate Office, Muiryhall St., Coatbridge, N.B.	Coats
Gillart & Sons	Machynlleth, North Wales	Garthgwynion, etc.
Glasier & Sons	7 St. James Street, S.W.	Knoll
Glendinning, G. R.	Hatton Mains, Midlothian	Ardgour
Godfrey-Payton, H. G.	18 Jury St., Warwick	Warwick Castle
Goodwin, W.	Chesterton Hall, Newcastle, Staffs.	Apedale
Gordon-Duff, A. H.	Hatherop Estate Office, Fairford, Glos.	Hatherop
Gough, R.	Wykeham, York (Wykeham or Sawdon Station)	Thoroton and Croft
Graham, G.	Somerhill Estate Office, Tonbridge	Somerhill
Grant, J.	Llanidloes, Mon.	Mellington
Grant, J.	Royal Bank, Grantown-on-Spey, N.B.	Glenferness
Graves, R. A.	Sutton Grange Estate Office, Speke, near Liverpool	Sutton Grange
Gray, R.	Estate Office, Sherborne Park, Northleach, Glos.	Sherborne Park
Grennall, R.	Dutton Longridge, Preston	J. Fenton, Esq., etc.
Grey, G.	Milfield, Alnwick (Akeld Station)	Marquis of Waterford
Grey, M. H.	Estcourt Estate Office, Tetbury	Estcourt
Griffiths, H. L.	Brecon	Penbury
Grimshaw, J.	Keirby Brewery Burnley	J. Grimshaw, Ltd.
Guiness, Mahon & Co.	Strokestown, Co. Roscommon	Pakenham-Mahon
Gush, E. W.	Queen St., Seaton, Devon	Seaton Manor.
Haddon & Turnbull	Royal Bank Buildings, Hawick, N.B.	Cavers
Hadfield, T. W.	Tabley Estate Office, Knutsford	Tabley
Hale, G. C.	Knowsley Hall, Prescot	Earl of Derby
Hall, C. R.	Smithills Estate Office, Smithills, Bolton	Smithills
Hall, F. W.	Olliver, Richmond, Yorks.	Aske Hall
Hall, H.	Estate Offices, Droitwich	Impney
Hall, J.	Estate Office, Osmaston Manor, Derby (Ashbourne Station)	Osmaston Manor
Hall, W. G.	Winstanley Estate Office, Wigan	Winstanley
Halsey, R.	Deputy Surveyor's Office. Prince Consort's Workshops	Great Park, Windsor
Hamilton, G. F. C.	Toddington Estate Office, Winchcombe, Glos. (Toddington Station)	Toddington
Hankey, C. B.	Estate Office, Brocklesby Park, Lincs.	Earl of Yarborough
Harding, J. B.	Chilton Lodge Estate Office, Hungerford	Chilton Lodge
Harding-Newman, F. R.	Estate Office, Chippenham Park, Soham, Cambs. (Newmarket Station)	Chippenham Park, etc.
Hardy, F. J.	Gittisham Hill, Honiton	Honiton Manor, etc.
Hargraves, S.	Manor House, Marple, near Stockport	Romiley, etc.
Harris, H.	Clarence St., Southend-on-Sea	Victoria, Shoeburyness.
Harrison, C. H. G.	Mentmore Estate Office, Leighton Buzzard	Mentmore
Harrison, J. E.	Estate Office, Allestree, Derby	Capt. L. G. Gisbourne
Hart-Davis, Captain H. V.	Ellesmere Estate Office, Worsley, Manchester	Earl of Ellesmere
Hartley, F. A.	Scriven, Knaresborough	Scriven Park
Hartopp, A. W.	Maiden Bradley, Somerset	Duke of Somerset
Haslam, J.	Thornham Estate Office, Buersel, Rochdale	Thornham
Hay, J.	The Farm, Abbeyleix, Ireland	Viscount de Vesci
Hay, P.	Bawdsey Estate Office, Woodbridge, Suffolk	Bawdsey
Hempson, G. F.	Estate Office, Gatton Park, Surrey (Merstham Station)	J. Coleman, Esq.,
Hendrie, R.	Gilfoot, Newmilns, N.B.	Loudoun
Henry, R. W.	Lynwood, Queen's Park, Oswestry	Nantymeichiaid. etc.
Herbert & Son	95 Piescoed St., Windsor	Vaughan
Hewitt, Hon. W. J.	St. Colme House, Aberdour, Fife	Earl of Moray's Fife and Perthshire Estates.
Heygate, W. B.	Estate Office, Mynde Park, Much Dewchurch, Hereford (Tram Inn Station)	Mynde Park
Hibbard, J. E.	17 Union Court Old Broad St., E.C.	Highfield, Winchmore
Hickman, T.	College Court, Shrewsbury	Leaton Knoll
Hickson & Son	31 Queen Victoria St., E.C.	Haslewood Park, Palmer's Green, N.
Higgins, J. & F.	Alford, Lincs.	A. W. T. Grant Thorold, Esq.
Higgins, J.	Crichel, Wimborne	Crichel
Hill, J.	Smithwick Hall, Congleton	Somerford
Hill, V.	Riddings Estate Office, nr. Alfreton	Alfreton Ironworks.
Hindle & Douglas	Commercial Bank Buildings, Bradford	J. A. Jowett, Esq.
Hinds, S., & Son	Walmer	Walmer Estates Co., etc.
Hobbs, F.	Bank St., Ashford, Kent	Godington Park
Hocking, R. T.	Manor House, Padstow, Cornwall	C. G. P. Brune, Esq.
Hodgson, J. W.	Estate Office, Field House, Triangle, near Halifax	Field House
Hodgson, W.	Rosedale Cottage, Otterburn, Northumberland	Amble, etc.
Hodson, R. C.	Coolfadda House, Bandon, Co. Cork	Bandon
Hogbin, P.	Estate Office, Enys, Penryn	Enys
Hollis, R.	Rise, East Yorks.	W. Bethell, Esq.
Honeyball & Twinn	Leith Estate Office, Queen St., Deal	Leith
Horlick, W.	Coombe Warren, Kingston-on-Thames	Coombe
Hornor, F.	Queen St., Norwich	Great Hospital Trust
Howard, R. J.	Witton Park Estate Offices, Richmond Terrace, Blackburn	Witton Park
Howsin, D.	Huntroyde Estate Office, Padiham	Huntroyde
Hoyle, H.	Woodland Villa, Queen's Park, Blackburn.	Hothersal Hall
Hughes, P. H.	12 National St., Towyn, Wales	Dolangwyn, etc.
Hulton, W. R.	Estate Office, Hulton Park, Bolton	Hulton
Humphreys, H. & J. H.	Woodhouse, Loughborough	Blau Manor
Hunt, G. W.	Estate Office, Holme Lacey, Hereford	Earl of Chesterfield
Huskinson & Son	Epperstone, Notts.	Arnold
Hutchinson, J.	Manthorpe Lodge, Grantham	Earl Brownlow
Hutton, R.	17 Jury St., Warwick	Mrs. A. C. Fairfax Lucy, etc.
Ingham, C. H.	Estate Office, Dalton Holme, Beverley	Lord Hotham
Irvine, H. O.	Southersdown, Bridgend, Glam.	Glamorgan
Jackman, G. W.	Masonic Hall, Todmorden	Greenwood's Trustees
Jackson, E. H.	Windermere Buildings, Windermere	Calgarth, etc.
Jackson, J. P.	Whitegate, near Northwich	Vale Royal
Jaggar, R. J.	Estate Office, Ardsley, Barnsley, (Stairfoot Station)	Micklethwaithe
Japp, F.	Estate Office, Croston Hall, nr. Preston	Croston Hall
Jeffrey, J.	The Knoll, Truro	Pencalenick
Jemsom, T.	Pearson House, Whittington, nr. Kirkby Lonsdale	Whittington Hall
Jenkin, S. W.	Liskeard	Llantydrock
Johnstone, J. & G. G.	Alloway Cottage, Ayr, N.B.	Cambusdoon, Colstoun, etc.
Jonas, J. C., & Sons	27 Market Hill, Cambridge	Earl Carrington, etc.
Jones, J.	Llwynon, Llanedwen, Anglesey	Coed Helen
Jones, T.	1 Princes St., Westminster, S.W.	Newborough and Oakeley
Jones, W.	The Manor, Lechlade, Glos.	James Jones, Esq.
Joyce, J. H.	Blackfordby, Ashby-de-la-Zouch	Sir M. C. B. Cave, Bart.
Kaye, J. E.	Bretton, near Wakefield	Bretton

Kaye. W. L.	Estate Office, Worksop	Osberton
Keddie, J.	"Royalcot," Stanstead, Essex.	Sir J. Blyth, Bart.
Kemp-Smith, F.	Manor Office, Orsett, Essex	Whitmore
Kendle, G. R.,	Estate Office, Wilton, Salisbury	Earl of Pembroke.
Kennedy, J.	Thorndon Estate Office, Ingatestone, Essex.	Thorndon.
Kevan, P. & J.	12 Acresfield, Bolton	Ridgway
King, F. H.	Estate Office, Foxholes, Rochdale	Foxholes
Kirkby, H. B.	Old Corn Exchange, Lincoln	Boultham
Kittow, J. & Son	Church St., Launceston	R. C. Coode, Esq., etc.
Knapman, H. C.	Estate Office, Norman Court, Salisbury	Norman Court
Knowles, G. T.	Estate Office, Rolleston Hall, Burton-on-Trent	Sir O. Mosley
Lambert, J. H.	Redmont Hill, Ballinasloe	Pollok
Lambert, L. F.	Hewell Estate Office, nr. Redditch	Hewell
Larminie, A. C.	Fisherhill, Castlebar, Co. Mayo	Earl of Lucan
Lascelles, A. G.	Estate Office, Thorpe, Thrapston (Thorpe Station)	Thorpe
Lauder, J.	Estate Office, Lydney Park, Lydney, Glos.	Lydney Park
Leese, V. F.	Estate Office, Hursley Park, Winchester (Chandlers Ford Station)	Hursley Park
Leslie, A. C.	Estates Office, Newton-le-Willows, Lancs.	Lord Newton
L'Estrange, H. G.	Markree Estate Office, Wine St., Sligo	Markree, etc.
Lewis, A. W.	Chilton Foliat, Hungerford	Littlecote
Lindsey, D.	Willesley, nr. Tetbury	Weston Birt
Lipscomb, B.	Savile Estate Offices, Dewsbury	Savile
Little, W.	Hutton Hall, Penrith	Lowther
Lloyd, E.	The Rectory, Berriew, S.O., Montgomery	Vaynor
Lloyd, G. W.	Estate Office, Croxteth, Liverpool	Lord Sefton
Lloyd, P., & Son	Estate Office, Hay, Herefordshire	Clyro Court, etc.
Lodder, T.	Estate Office, Hillbutts, nr. Wimborne	Kingston Lacey, Corfe Castle, etc.
Lodge, E.	Estate Office, Taplow Court, Taplow	Lord Desborough
Longe, J. M.	Estate Office, Sudbourn Hall, Orford, Suffolk (Wickham Market Station)	Sudbourn Hall
Loveless, J. D.	Estate Office, Langford, Bristol (Langford Station)	Sidney Hill, Esq.
Low, J.	Couston House, Aberdour, Fife	Donibristle
Lowis, A. E.	Chamberlain of Argyle, Inverary, N.B.	Inverary
Luckock, E. H.	Estate Office, Maesllwch, Glasbury-on-Wye	Maesllwch
Lyne, E. L.	Llanarth Estate Office, Westgate Chmbrs., Newport, Mon.	Llanarth
Lyon, J.	"Kingsdowne," Greville Road, Richmond, Surrey	C. Hylton Jolliffe, Esq.
Macdonald, R. R.	16 Union Terrace, Aberdeen	Cluny
Macfie, R.	58 George St., Whithorn, Wigtownshire	Ravenstone, etc.
MacGarva, G. R.	Estate Office, Innes, Elgin	Thos. McKenzie, Esq.
MacGarva, W.	Estates Office, Ardwell, Stranraer, N.B.	Ardwell
MacGregor, P.,	Estate Office, Springkell, Ecclefechan, N. B. (Kirtlebridge Station.)	Springkell
MacIntosh, W.	Fife Estates Office, Banff, N.B.	Duff House, etc.
Mackenzie, D. F.	Morton Hall Estate Office, Liberton, Midlothian	Morton Hall, etc.
Mackenzie, W. A.	Estate Office, West Dean, Chichester (Singleton Station)	West Dean
MacNicoll, D.	Derwas, Abergele	Coed Coch
McClintock, A.	Hillsborough, Co. Down	Hillsborough Castle
McCowan, J. C.	Hatfield, Herts	Hatfield
McCullagh, J.	Glasslough, Co. Monaghan	Leslie, etc.
McDonald, A.	Glenarm, Co. Antrim	Earl of Antrim
McIntosh, D.	Lochrosque Castle, Dingwall, N.B.	Lochrosque
McKinlay, D.	Estate Office, Bedwell Park, Hatfield (Cole Green Station)	Bedwell Park
McLaren, J. T.	Estate Office, Polmaise, Stirling, N.B.	Polmaise, etc.
McLean, D.	Sutherland Estate Offices, Golspie, N.B.	Duke of Sutherland
McLennan, W.	Grainbank, Kirkwall, N.B.	Orkney
Maister, C. L. N.	Estate Office, Swinton Park, Masham, S.O., Yorks.	Swinton Park
Mallinson, A. E.	Estate Offices, Spilsby, Lincs.	Lord Willoughby de Eresby
Mangin, A. R.	Meyrick Estate Office, Gervis Chambers, Bournemouth	Meyrick
Manners, H. A.	Westgate, Grantham	Buckminster Park
Martin, J.	Estate Office, Sydenham, Lew Down, S.O., N. Devon	Hon. Mrs. Tremayne
Mason, C.	Sycamour, Louth	Lord de Blaquiere, etc.
Mason, E.	Mullingar, Ireland	Sir M. Chapman
Matheson, D.	Meikleour, Perth	Meikleour
Matthews, A.	Ballinahinch Castle, Galway	Ballinahinch, etc.
Meaby, T. J.	Estate Office, Cockington, Torquay	Cockington Court
Meadows, J. & Son	Estate Office, Oakley, Market Drayton	Oakley, etc., etc.
Meiklejohn, J. J. R.	Novar Estates Offices, Evanton, Ross-shire	Novar and Raith
Mendham, J.	Hall Farm, Raveningham, Norwich	N. H Bacon, Esq.
Menzies, G.	Trentham, Stoke-on-Trent	Duke of Sutherland
Meyer, H. L.	Estate Office, Cadland, Southampton	Cadland
Middleton, W.	St. Ives Estate Office, Bingley, Yorks.	St. Ives
Miles, C. A.	Victoria Chambers, Bridge Street, Newport, Mon.	Power's
Milligan, W.	Maxwell St., Dalbeattie, N.B.	Munches
Mills & Milnes	57 Hamilton Sq., Birkenhead	Storeton
Moncaster, T.	Rosedale Abbey, near Pickering, Yorks.	Rosedale, Leppington, etc
Money, Captain N.	Hanger Hill Estate Office, 2 Haven Lane, Ealing, W.	Hanger Hill
Montgomery, T. B.	St. Columb's Court, Londonderry	Irish Society
Morgan, G. H.	Beaulieu Manor Office, Brockenhurst	Beaulieu Manor
Morgan, M.	Maesydderwen, Mountain Ash	Dufftown
Morley, A. L. Y.	Great Brington, Northampton (Althorp Park Station)	Althorp Park
Morris (C. R.), Sons & Peard	North Curry, Taunton	Quantock, etc.
Morrison, W.	Gledfield, Arday, Ross-shire	Gledfield
Morton, J.	Rookery Farm, Hatton, Shifnal	Hatton Grange
Morton, J. P.	Broomhall Estate Office, Charlestown, Fife	Earl of Elgin
Moscrop, A.	Thorganby Hall, York	J. J. Dunnington-Jefferson, Esq., etc., etc.
Mosey, W.	Estate Office, Kiveton Park, near Sheffield	Kiveton Park, etc.
Munckton, T.	Estate Office, Old Warden, Biggleswade (Southill Station)	Col. F. Shuttleworth
Murray, J.	Camperdown Estates Office, Dryburgh, Lochee, Dundee	Camperdown
Murray, J. C.	216, West George Street, Glasgow	Pollok
Mutter, G. H.	Burghley Estate Office, Stamford	Burghley & Aswarley Pk.
Nanson, L.	Dallam Tower Estate Office, Milnthorpe	Dallam Tower
Neighbour, L.	Blithfield, Rugeley	Blithfield
Nettleship, T.	Waterloo House, Market Rasen	Holton Beckering
Nevill, R. H.	Lydbury North, Salop	Walcot
Newman & Blunt	34 Saville Row, W.	Rays
Nichol, W.	Estate Office, Hengrave, Bury St. Edmunds	Hengrave
Nicholls, W. J.	Tregarne Terrace, St. Austell	F. Leyland-Barratt, Esq.
Nixon, J. J.	Cambo, Northumberland	Sir G. O. Trevelyan, Bart.
North, G. F.	Strathfieldsaye, Mortimer, S.O., Berks	Duke of Wellington, etc.
Nutter, W. H.	Pier Office, St. Anne's-on-the-Sea	St. Anne's-on-the-Sea Land & Building Co., Ld.
O'Donel, F.	Ellison St., Castlebar, Co. Mayo	Sir R. W. H. Palmer
Oldfield, G.	Puddletown, Dorchester	Col. W. E. Brymer
Owen, S. H.	St. Mary's Hill, Tenby	Picton Castle
Owen, T. G.	Market Hall, Holyhead	Penrhres
Owen, W. S.	Cefn Gwifed, Newtown, Mont.	Gregynog
Paget, L. C.	Harewood, Leeds	Harewood
Painter, R.	Estate Office, Carclew, Perran ar Worthal, Cornwall	Col. Tremayne
Palmer, J. H.	The Fernery, Burnham, Som.	Grove
Parker, H. J.	6 St. John Street, Hereford	Homend, etc.
Parker, Hon. T.	Eccleston, Chester	Eaton
Parkin, F. T.	Estate Office, Serlby, Bawtry, Yorks.	Viscount Galway
Parkin, W.	Estate Office, Babworth, Retford	Col. Denison
Parmeter, F.	24 Grainger St. West, Newcastle-on-Tyne	Townley Estates in Durham, Lancs., Yorks., &c.
Partridge, F. G.	Estate Office, Brackley	Ellesmere, etc.
Paull, H. B.	Tehidy Estate Office, Camborne	Tehidy
Payton, A. C.	Estate Office, Stourton Hall, Horncastle	Livesey
Pearson, J.	Estates Office, Bank St., Airdrie, N.B.	Airdrie, Sheardrum, etc.
Peebles, P.	Estate Office, Syon House, Brentford	Syon House
Peirson, H. T.	Brancepeth, S.O., Co. Durham	Brancepeth
Pendered, J., & Son	Market Square, Wellingborough	Orlingbury
Perrin, W. G.	Marshal Row, Swanage	Darlston Park
Pickard, T. W.	Estate Office, Glynde, Lewes, Sussex (Glynde Station)	Glynde
Potter, T. D.	Blackshore, near Bewdley, Worcs.	Ribbesford
Prater, T. H.	Lotherton Estate Office, Aberford, Leeds	Lotherton
Price, C. H.	Craig Hall, Bolam, Belsay, Newcastle-on-Tyne (Angerton Station)	Lord Ducie, etc.
Price, W. M.	Minto, Hawick (Hassendean Station)	Lord Minto
Pritchett, E.	Estate Office, Bury St. Edmunds	Hardwick
Proctor, S. W.	Estate Office, Queen St., Great Harwood, Lancs.	Clayton Hall
Punchard, F.	Underley Estate Office, Kirkby Lonsdale	Underley
Pybus, T.	Estate Office, Holme, York	Mrs. F. D. Harford
Pyke-Nott, J. M.	Estate Office, Dumbleton, near Evesham	Campden, Dumbleton, etc.
Ramsden, T. H.	Bramhope, Leeds	Sir A. T. Lawson, Bart.
Rawlence & Squarey	15 Great George St., S.W.	Bloomfield, etc.
Rees, C. G. F.	Estate Office, Stanmore	Bentley Priory and Stanmore Park
Reith, A.	Earnock Estate Office, Hillhouse, Hamilton, N.B.	Earnock & Neilsland
Rendell & Symons	Newton Abbot	Colehayes
Richards, A.	816 High Rd., Tottenham, N.	Huxley, etc.
Richards & Blosse	Charles St. Chambers, Cardiff	Coythan Park
Riley, E. A.	Estate Office, Horsforth, nr. Leeds	Col. Sir W. Spencer-Stanhope
Rix, K.	Somerleyton, near Lowestoft	Somerleyton
Robertson, C. B.	Faskally Estate Office, Pitlochry, N.B.	Faskally
Robertson, J.	Panmure Estates Office, Carnoustie, N.B.	Earl of Dalhousie
Robertson, J. H.	Estate Office, Claydon, Winslow, Bucks	Bucks and Anglesey (Sir E. Verney, Bart.)
Robertson, J. S.	Cawdor Estate Office, Nairn, N.B	Cawdor
Robinson, A.	The Brewery, St. Helens, Lancs.	Eccleston Hall
Robinson, J. W.	Keswick	Derwentwater
Rodger, J.	Keir, Bridge of Allan, N.B.	Keir
Rolfe, J. & R.	Wiggenton House, Beaconsfield	Hall-Barn
Rolleston & Co.	Grey Friars, Leicester	Aylestone
Rowbottom, F.	Estate Office, Honingham, Norwich	Honingham Hall, etc.

Rowe, J.	The Fairhaven Estate Co., Ld., Pollux Gate, Fairhaven, near Lytham	Fairhaven Estate Co.,Ld.
Russell, W.	Luss Estates Office, Helensburgh, N.B.	Luss
Rutherford, J. A.	Carnarvon Estate Office, Highclere, Newbury	Lord Carnarvon
Rylands and Master	47 Dyer St., Cirencester	Knowle Park, etc.
Sample, T., & C. H.	Matfen, nr. Corbridge-on-Tyne	Prudhoe Hall
Sample, T.&W.C.	Estate Office, Bothal Castle, near Morpeth	Duke of Portland
Sandford, M.	Estate Office, Maresfield Park, nr. Uckfield	Count A. Münster
Sandford-Thompson, W. J.	The Villa, Montrose, N.B.	Kintore
Sclater. E.	Boyne Hill, Navan	Slane, etc.
Scott, J.	Estate Office, Newton Hall, Stocksfield-on-Tyne, Northumberland	Lady John Joicey Cecil
Scrimgeour, J.	Donne Lodge, Donne, N.B.	Donne Lodge
Scriven, C. H.	Thong, near Gravesend	Cobham Hall
Scriven, R.	Castle Ashby, Northampton	Finedon Hall
Senior, T. E.	Zetland Estate Office, Marske-by the-Sea, Yorks.	Lord Zetland
Sewill, W.	Manor Office, North Bridge St., Sunderland	Monkwearmouth Shore
Shaw, E.	Bryngwyn, Hereford	Bryngwyn
Shaw, R.	Henshaw, Yeadon, Yorks.	Carlton
Sheard, T.	High St., Clayton West, near Huddersfield	Clayton West Park
Simpson, J. J.	Estate Office, Kirklees, Brighouse	Sir G. Armytage, Bart.
Sims, G. T.	Neath Abbey EstateOffice, Abbey Road, Neath	Neath Abbey
Skitt, C. J.	Estate Office, Birkdale, Lancs.	Ince-Blundell
Sleigh, J.	Strichen, S.O., Aberdeenshire	Strichen
Smith & Marshall	Chippenham	Sir J. Neeld
Smith, C. H.	Wood Stanway, Winchcombe, S.O., Glos.	Stanway, Wood Norton, etc.
Smith, G. N.	Crawshay Bailey's Estate Office, Pentre, S.O., Glamorganshire (Ystrad Station)	Crawshay Bailey
Smith, J.	Oakenshaw Estate Office, Clayton-le-Moors, near Accrington	Oakenshaw
Smith, J. T.	Estate Office, Tatton Dale, Knutsford	Earl Egerton
Smith, T.	Cassillis & Culzean Estate Office, The Castle, Maybole, N.B.	Marquis of Ailsa
Smith, Wheater	Messrs. Smith & Gotthardt, 15 Cheapside, Bradford	Heaton, Shipley, & Burley
Smith, W. F.	Steward's Office, Easton Park, Wickham Market	Hamilton, etc.
Smith, W. L.	Garswood Estate Offices, Ashton-in-Makerfield, Lancs.	Garswood
Snedden, W. W.	Estate Offices, Drumpellier, Coatbridge, N.B.	D.W.R.Carrick-Buchanan Esq.
Southam, F. W.	Fox Hill, West Haddon, Rugby	Hon. E. A. Fitz Roy
Spackman & Pole	6 Terrace Walks, Bath	Balhampton, etc.
Spelman's	Hall Quay, Great Yarmouth	Lichfield
Stace, H. P.	Brackley	Weston
Stallard, W.	Pierpoint Street, Worcester	Madresfield Court
Stanhope, Captain P. S.	Estate Office, Azerley, Ripon	Crompton Stanfield, etc.
Stanton, W. L.	Estate Office, Honington, Shipston-on-Stour	Sir G. H. D'E Skipworth, Bart., H. Gilbert, Esq., etc.
Steele, T. V.	Estate Office, Blackmoor, Liss, Hants	Earl of Selborne
Stevens, M.	18 Exchange St., Manchester	Trafford Park
Stevens, W.	Broadclyst, Exeter	Killerton, etc.
Stewart & Whyte	29 St. Andrew Square, Edinburgh	Gartsherrie
Stewart, Capt. N. P.	Estate Office, Vaynol Park, Port Dinorwic, N. Wales	Vaynol Park
Stewart, D. D.	Rossie Estate Office, Inchture, Perthshire	Rossie Priory and Fingask Castle
Stewart, D. W.	Cartland, Lanark	Lee & Carnwath
Stewart, F.	Surveyor's Office, Canning Chambers, 2 St. John St., Liverpool	Marquis of Salisbury
Stewart, J.	Heathfield, Irvine, N.B.	Earl of Eglinton
Stewart, J.	Estates Offices, Sandbeck Park, Tickhill, Rotherham	Sandbeck Park
Stewart, J. M.	Montgomerie Estate Office, Irvine, N.B.	Montgomerie
Stewart, W.	Towneley Estate Office, Burnley	Towneley
Stobort, F.	Biddick Hall Fence Houses, Co. Durham	Lambton Castle
Story, E. H.	90 King St., Manchester	Brooks's
Strutt, Hon. E. G.	"Whitelands," Hatfield Peveril, Witham, Essex	Terling Place
Sturge, W.	Corn St., Bristol	Portishead
Sturgess, J. M.	Penshurst Park, near Tonbridge (Penshurst Station)	Penshurst Park
Swallow, E.	Orton Estate Office, Bank Chambers, Market Place, Peterborough	Marquis of Huntly
Swanston, D.	Morton Terrace, Gainsborough	Sir H. B. Bacon, Bart.
Sworder & Sons	Bishop's Stortford	Hockerill Park
Tailyour, A.	Estate Office, Snelston, Ashbourne, Derbyshire	H. Stanton, Esq.
Tait, D.	Estate Office, Owston Park, Doncaster	Owston Park
Tait, W. H.	Prince Consort's Shaw Farm, Windsor	H.M. the King
Talbot, G. P.	Wentworth Woodhouse, Rotherham	Wentworth
Tayler, W.	2 City Road, E.C.	Mitchell's
Taylor, A.	Kildrummy, Mossat, Aberdeenshire	Kildrummy
Taylor, I.	Coleshill, Bagillt, Holywell, Wales	Vivian
Temperley, R. R.	Estates Office, Alnwick Castle, Northumberland	Alnwick Castle
Tener, E. S.	The Square, Loughrea, Ireland	Marquis of Clanricarde
Terris, J.	Dullomuir, Blairadam, N.B.	Blairadam
Thomas, H.	Botrea, Newbridge, S.O., Cornwall (Penzance Station)	J. Scobell Armstrong, Esq., etc.
Thomas, L.	Prospect House, Rhymney, Mon.	Rhymney Iron Co.
Thomson, J.	Estate Office, Brayton, Carlisle	Brayton
Thomson, W.	Fife-Keith N.B.	Gleurcrines
Thursfield, T. H.	The Grange, Much Wenlock, Salop	Condover, etc.
Tower, B. R. C.	Ellesmere, Salop	Bridgwater
Townsend, G. C.	Estate Office, Tipperary	Smith-Barry
Treharne, D.	Pentre House, Pentre	Pentre, etc.
Turner, T. W.	Welbeck Estate Offices, Mansfield	Welbeck
Turner, J. H.	Portland Estate Office, Kilmarnock, N.B.	Troon
Tutin, T.	Estate Office, Skelton-in-Cleveland, Yorks.	Lt.-Col.W. H. A. Wharton
Vercoe, H.	Pendarves, Camborne	W. C. Pendarves, Esq.
Vernon, R.	Estate Office, Hambleden, Henley-on-Thames	C. A. Scott-Murray, Esq.
Wade, O H.	Studley Estate Office, Ripon	Studley
Wadham & Son	6 Cornwallis Street, Barrow-in-Furness	Duke of Buccleuch
Walker, H.	Royal Hotel, Whitby	West Cliff
Walker, I. A.	King's Weston Estate Office, Shirehampton, Bristol	King's Weston
Walker, W. E.	Polefield Hall, Prestwich, Lancs.	Earl of Wilton
Wall, T. W.	Estate Office, Hindlip, Worcester (Fernhill-Heath Station)	Lord Hindlip
Ward, J.	Seafield Estates Office, Keith, N.B.	Seafield
Watney, D., & Sons	33 Poultry, E.C.	Manor of Eton
Watson, H. E.	Estate Office, Petworth, Sussex	Lord Leconfield
Watson, J.	Wentbridge, Pontefract	H. J. Hope Barton, Esq., etc.
Watson, J. B.	Shirburn, near Wallingford	Macclesfield
Watson, R.	Stonehouse, Hayton, Carlisle	S. H. B. Graham, Esq.
Watson, W., & Son	Victoria Buildings, Alfreton	Grange
Weatherill, G. F.	Estate Office, Farnley, Otley, Yorks.	Farnley Hall
Webb, F. N.	Babraham, Cambridge	C. Adearne, Esq.
Wellesley, C. G.	The Estate Office, Warter, York	Warter Priory
Wells, W. H.	Estate Office, Evershot, Dorset	Melbury, etc.
White, J.	Hale Estate Office, Warrington	Hale
Whitlock, W.	Poole House, Great Yeldham, Halstead, Essex	Cut Hedge
Whitlow, H.	Princes' St., Ulverston	Ulverston Town Lands
Whitmore, C. J.	Cowdray Estate Office, Midhurst	Cowdray
Wilbraham, E. S.	St. Giles, Cranborne, Salisbury	Earl of Shaftesbury
Wilcocks, E.	Trebartha Estate Office, Launceston	Trebartha
Wilkinson, J.	The Grange, Kirkcudbright, N.B.	St. Mary's Isle
Wilkinson, P.	Estate Office, Crosswood, Aberystwyth	Crosswood
Williams, A. A.	Park Estate Office, Pontypool	Pontypool Park
Williams, T.	Ynisygerwn, Neath	Tennant
Williams-Drummond, D.	Portiscliff, Ferryside, Carmarthen	Pembroke
Willyams, H. J.	Barndale, Alnwick	Alnwick Castle
Wilmot, Flower, & Wilmot	Waterloo Street, Birmingham	Soho
Wilson, J. C.	Tulliallan Estate Office, Kincardine-on-Forth	Tulliallan
Wilson, J. G.	Woodsome, near Huddersfield	Woodsome
Wilson (Silk) & Sons	Bank of England Chambers, Tib Lane, Cross Street, Manchester	Duchy of Lancaster, etc., etc.
Winnerah, E.	Cross Bank, Warton, Carnforth	Dalton Hall, etc.
Witty, E. A.	Edale House, Cottingham, Hull	Church
Wood, H. E.	97 Gresham Street, E.C.	Hutton Mount
Wood, J. M.	Longland's, Holkham, Norfolk	Holkham
Woodward, W.	Caerleon House, Cardigan	Priory
Wooley, T. J.	Clungunford, Ashton-on-Clun, Salop	Clungunford
Wormald, H.	South Queen St., Morley, Yorks.	Woodsome
Wright, A. I.	Duke of Northumberland's Estate Office, Newcastle-on-Tyne	Tynemouth
Wynne, Major	Bush Estate Office, Pembroke	Bush
Yates, R.	Milton Abbey Office, Blandford, Dorset	Milton Abbey
Yorstoun, M. C.	Irvine House, Canobie, N.B.	Duke of Buccleuch
Young (Douglas) & Co.	51 Coleman St., E.C.	Mitcham Park, & Croham Park, Croydon, etc.
Young, H. A. L.	The Johnstone Estate Office, Weymouth	Johnstone